# ENVIROLOGIX

# QuantiPlate<sup>™</sup> Kit for Microcystins High Sensitivity

### Highlights:

- Quantitative laboratory detection of Microcystin toxin in potable water
- Detects from 0.1 to 1.2 ppb

### Contents of Kit:

- 12 strips of 8 antibody-coated wells each, in plate frame
- 1 vial of Negative Control
- 1 vial of 0.1 ppb Microcystin LR Calibrator
- 1 vial of 0.3 ppb Microcystin LR Calibrator
- 1 vial of 0.6 ppb Microcystin LR Calibrator
- 1 vial of 1.2 ppb Microcystin LR Calibrator
- 1 bottle of Assay Diluent
- 1 bottle of Microcystin-enzyme Conjugate
- 1 packet of Wash Solution salts
- 1 bottle of Substrate
- 1 bottle of Stop Solution

#### Precision

	Recovery (%CV)	<b>OD</b> (%CV)
	Intra-Assay	n=11
0.2 ppb	4.6%	2.3%
0.6 ppb	3.0%	3.7%
	Inter-Assay	n=11
0.2 ppb	6.4%	4.3%
0.6 ppb	1.9%	8.9%

#### Cross-Reactivity

Compound	50% B <sub>0</sub>	80% B <sub>0</sub>
Microcystin LR	0.28	0.11
Microcystin LA	1.4	0.36
Microcystin RR	0.30	0.10
Microcystin YR	0.43	0.17
Nodularin	0.19	0.07

Catalog Number EP 022 HS

# **Intended Use**

The EnviroLogix QuantiPlate Kit for Microcystins High Sensitivity is designed for the quantitative laboratory detection of Microcystin toxin in potable water samples, with an assay quantitation range from 0.1 to 1.2 parts per billion (ppb)

# How the Test Works

This QuantiPlate Kit for Microcystins is a competitive Enzyme-Linked ImmunoSorbent Assay (ELISA).

In the test, Microcystin toxin in the sample competes with enzyme (horseradish peroxidase)-labeled Microcystin for a limited number of antibody binding sites on the inside surface of the test wells.

After a simple wash step, the outcome of the competition is visualized with a color development step. As with all competitive immunoassays, sample concentration is inversely proportional to color development.

Darker color = Lower concentration Lighter color = Higher concentration

### **Limit of Detection**

The Limit of Detection (LOD) of this Kit is 0.071 ppb. The LOD was determined by interpolation at 87.8%  $B_0^*$  from a standard curve. 87.8%  $B_0$  was determined to be 3 standard deviations from the mean of a population of negative potable water samples.

\*100%  $B_0$  equals the maximum amount of Microcystin-enzyme conjugate that is bound by the antibody in the absence of any Microcystin in the sample (i.e. negative control). % $B_0 = (OD \text{ of Sample or Calibrator/OD of Negative Control}) x 100.$ 

## Limit of Quantification

The Limit of Quantification (LOQ) of this Kit was validated at 0.15 ppb. The LOQ was determined by fortifying a population of negative potable water samples at 0.15 ppb. The mean recovery was 98.0% with a coefficient of variation (CV) [(standard deviation/mean) x 100] of 8.5%.

### Precision

Microcystin-fortified control solutions were repetitively analyzed both within a single assay, and in different assays on different days. The data is expressed as %CV for both the recovered concentration and for absorbance (OD).

### **Cross-Reactivity**

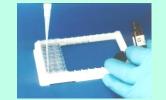
This Kit does not distinguish between the Microcystin toxin variants, but detects their presence to differing degrees. The accompanying table shows the value for 50%  $B_0$  and the value for the 80%  $B_0$  for four Microcystin toxin variants and nodularin toxin. Concentration is in ppb. Humic acid did not interfere in the assay up to a concentration of 100 ppm.



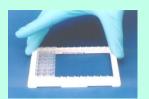
Remove unneeded strips



Select Calibrators and Control



Add controls/calibrators/sample



Mix plate



Incubate



Bottle Wash method

# **Materials Needed**

- disposable tip adjustable air-displacement pipette which will measure 50  $\mu$ L and 100  $\mu$ L
- marking pen (indelible)
- tape or Parafilm®
- timer (30 minutes)
- distilled water for preparing Wash Solution
- glassware for storing Wash Solution
- wash bottle for washing strips with Wash Solution
- microtiter plate reader or strip reader
- microtiter plate washer (optional)
- twelve or 8-channel pipette that will measure 50  $\mu$ L and 100  $\mu$ L (optional)
- racked (glass) dilution tubes for loading samples into the plate with a 12channel pipette (optional)
- orbital plate shaker (optional)

# **Preparation of Solutions**

#### Wash Buffer:

To make 1 L, add the contents of one packet of phosphate-buffered saline - Tween 20, pH 7.4 (**Wash Solution salts**) to 1 L of distilled water. Mix thoroughly to dissolve the salts. This can be stored at room temperature.

# How to Run the Assay

- Read all of these instructions before running the kit.
- Allow all reagents to reach room temperature before beginning (at least 30 minutes with un-boxed strips and reagents at room temperature do not remove strips from bag with desiccant until they have warmed up).
- Organize all samples, reagents and pipettes so that steps 1 and 2 can be performed in 10 minutes or less.
- If more than three strips are to be run at one time, the 10 minutes is likely to be exceeded, and the use of a multi-channel pipette is recommended (see "Note" below).
- If three or fewer strips are to be run, use a disposable-tip air-displacement pipette and a clean pipette tip to add each Calibrator and sample to the wells. Assay Diluent, Conjugate, Substrate, and Stop Solution may be added in the same manner; alternatively, use a repeating pipette with a disposable tip on the end of the Combitip for these three reagents.
- If fewer than all twelve strips are used, reseal the unneeded strips and the desiccant in the plastic bag provided.
- Use the well identification markings on the plate frame to guide you when adding the samples and reagents. Two strips may be used to run the Negative Control (NC), three Calibrators (C1-C3) and four samples, in duplicate. More samples require more strips. For an example plate layout see Figure 1.
- 1. Rapidly add 50  $\mu$ L of Microcystin Assay Diluent to each well that will be used, preferably with a repeating or multi-channel pipetter.
- Immediately add 50 μL of Negative Control (NC), 50 μL of each Calibrator (C1-C3) and 50 μL of each sample (S1-S8) to their respective wells, as shown at left. (Follow this same order of addition for all reagents.) Do not add Microcystin-enzyme Conjugate in this step.

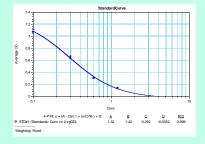
#### QuantiPlate Kit for Microcystins-High Sensitivity Page 3 of 8





Read plates in a Plate Reader within 30 minutes of the addition of Stop Solution

Illustrative standard curve



3. Thoroughly mix the contents of the wells by moving the strip holder in a rapid circular motion on the benchtop for a full 20-30 seconds. Be careful not to spill the contents!

**NOTE:** In order to minimize setup time it is recommended that a multi-channel pipette be used in steps 1, 2, 5, 8 and 10 when more than 3 strips are used.

- 4. Cover the wells with tape or Parafilm to prevent evaporation and incubate at ambient temperature for 30 minutes. If an orbital shaker is available shake at 200 rpm.
- 5. Add **50 µL** of **Microcystin-enzyme Conjugate** to each well. Do not empty the well contents or wash the strips at this time.
- 6. Thoroughly mix the contents of the wells as in step 3. Cover the wells with tape or Parafilm and incubate at ambient temperature for 30 minutes. Use orbital shaker if available.
- 7. After incubation, carefully remove the covering and vigorously shake the contents of the wells into a sink or other suitable container. Flood the wells completely with **Wash Solution**, then shake to empty. Repeat this wash step four times. Slap the plate on a paper towel to remove as much Wash Solution as possible. Alternatively, use a microtiter plate washer with **Wash Solution** for the wash step.
- 8. Add 100 μL of Substrate to each well.
- 9. Thoroughly mix the contents of the wells, as in step 3. Cover the wells with <u>new</u> tape or Parafilm and incubate for 30 minutes at ambient temperature. Use orbital shaker if available.

#### Caution: Stop Solution is 1.0 N Hydrochloric acid. Handle carefully.

10. Add **100**  $\mu$ L of **Stop Solution** to each well and mix thoroughly. This will turn the well contents yellow.

NOTE: Read the plate within 30 minutes of the addition of Stop Solution.

# How to Interpret the Results

#### Spectrophotometric Measurement

- 1. Set the wavelength of your microtiter plate reader to 450 nanometers (nm). (If it has dual wavelength capability, use 600, 630 or 650 nm as the reference wavelength.)
- 2. If the plate reader does not auto-zero on air, zero the instrument against  $200 \,\mu\text{L}$  water in a blank well. Measure and record the optical density (OD) of each well's contents. Alternatively, measure and record the OD in every well, then subtract the OD of the water blank from each of the readings.
- 3. A 4 parameter curve fit should be used to create the standard curve, use the software provided with your plate reader to interpolate sample concentrations off this 4 parameter curve. A semi-Log curve fit is not recommended.

If the OD of a sample is <u>lower</u> than that of the <u>highest</u> Calibrator, the sample must be reported as greater than 1.2ppb. If a concentration must be determined for these high level samples, dilute the sample 1:8 in distilled water. Run this dilution in a repeat of the immunoassay. If the result now falls within the range of the ODs of the Calibrators, you must then multiply the concentration measured in the diluted sample by a factor of 8.

### **Precautions and Notes**

- Store all components at 4°-8°C (39°-46°F) when not in use.
- Do not expose components to temperatures greater than 37°C (99°F) or less than 2°C (36°F).
- Allow all reagents to reach ambient temperature (18°C to 27°C or 64°F to 81°F) before use.
- Do not use kit components after the expiration date.
- Do not use reagents or test well strips from one QuantiPlate Kit with reagents or test well strips from a different QuantiPlate Kit.
- Do not expose Substrate to sunlight during pipetting or while incubating in the test wells.
- Do not dilute or adulterate test reagents or use samples not called for in the test procedure.
- As with all tests, it is recommended that results be confirmed by an alternate method when necessary.
- Observe any applicable regulations when disposing of samples and kit reagents.
- Microcystin LR in aqueous solution will stick to plastics such as polypropylene. Collect and process samples in glass containers. Clear samples free of organic material can be stored refrigerated for up to two weeks before analysis.

#### Figure 1a. Example of a typical plate setup. (1 x 8 strips)

	1	2	3	4	5	6	7	8	9	10	11	12
А	NC	NC										
В	C1	C1										
С	C2	C2										
D	C3	C3										
Е	<b>S</b> 1	<b>S</b> 1										
F	<b>S</b> 2	<b>S</b> 2										
G	<b>S</b> 3	<b>S</b> 3										
Н	S4	S4										

#### Figure 2a. Illustrative quantitative calculations

Well contents	OD	Average OD	%CV	%B0	Microcystin Concentration (ppb)
Negative	1.358	1.050	0	100	
Control	1.359	1.358	0	100	NA
0.1ppb	1.115				
Calibrator	1.106	1.11	0.60	81.7	NA
0.3ppb	0.672				
Calibrator	0.696	0.684	2.5	50.4	NA
0.6 ppb	0.327				
Calibrator	0.324	0.325	0.7	23.9	NA
1.2 ppb	0.151				
Calibrator	0.159	0.155	3.6	11.4	NA
	0.746				
Sample	0.772	0.759	2.4	55.9	0.248

\*Actual values may vary; this data is for demonstration purposes only.



### For Technical Support Contact Us At:

EnviroLogix 500 Riverside Industrial Parkway Portland, ME 04103-1486 USA

Tel: (207) 797-0300 Toll Free: 866-408-4597 Fax: (207) 797-7533

e-mail: *info@envirologix.com* 

website: www.envirologix.com



### LIMITED WARRANTY

EnviroLogix Inc. ("EnviroLogix") warrants the products sold hereunder ("the Products") against defects in materials and workmanship when used in accordance with the applicable instructions for a period not to extend beyond a product's printed expiration date. If the Products do not conform to this Limited Warranty and the customer notifies EnviroLogix in writing of such defects during the warranty period, including an offer by the customer to return the Products to EnviroLogix for evaluation, EnviroLogix will repair or replace, at its option, any product or part thereof that proves defective in materials or workmanship within the warranty period.

ENVIROLOGIX MAKES NO OTHER WARRANTIES. EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR Α PARTICULAR PURPOSE. The warranty provided herein and the data, specifications and descriptions of EnviroLogix products appearing in EnviroLogix published catalogues and product literature are EnviroLogix' sole representations concerning the Products and warranty. No other statements or representations, written or oral, by EnviroLogix' employees, agents or representatives, except written statements signed by a duly authorized officer of EnviroLogix Inc., are authorized; they should not be relied upon by the customer and are not a part of the contract of sale or of this warranty.

EnviroLogix does not warrant against damages or defects arising in shipping or handling, or out of accident or improper or abnormal use of the Products; against defects in products or components not manufactured by EnviroLogix, or against damages resulting from such non-EnviroLogix made products or components. EnviroLogix passes on to customer the warranty it received (if any) from the maker thereof of such non-EnviroLogix made products or components. This warranty also does not apply to Products to which changes or modifications have been made or attempted by persons other than pursuant to written authorization by EnviroLogix.

THIS WARRANTY IS EXCLUSIVE. The sole and exclusive obligation of EnviroLogix shall be to repair or replace the defective Products in the manner and for the period provided above. EnviroLogix shall not have any other obligation with respect to the Products or any part thereof, whether based on contract, tort, strict liability or otherwise. Under no circumstances, whether based on this Limited Warranty or otherwise, shall EnviroLogix be liable for incidental, special, or consequential damages.

This Limited Warranty states the entire obligation of EnviroLogix with respect to the Products. If any part of this Limited Warranty is determined to be void or illegal, the remainder shall remain in full force and effect.

Parafilm is a registered trademark of American Can Corporation EnviroLogix, the EnviroLogix logo, and QuantiPlate are trademarks of EnviroLogix Inc.

© EnviroLogix 2016

## QuantiPlate Kit for Microcystins-High Sensitivity Page 6 of 8

SECTION 1. Identification of the substar 1.1 Product identifier Trade name: Part number:	According to OSILA 29CFR 1910 1200 reconstructure and 64 the company (and prinking Weaks Patter salut 50.002), 1009	5.1 Extinguishing media: Stituble extinguishing agents: 5.2 Special lazards arising from the substance o mixture: 5.2 Advice for firefighters:	Carbon exides, Oxides of Phosphoreus, Potassium, Sodium, Hydrogen Chloride g Wear protective equipment appropriate for fire conditions including respiratory
1.2 Relevant identified uses of the substance or m and uses advised against application of the su	éxture éstance		protective gear
/ the preparation : 1.3 Details of the supplier of the safety data sho	Lalovatory chemicals eet EnviroLogix Inc., 500 Riverside Industrial Plowy.	SECTION 6. Accidental release measures	
Manufacturer/Supplier:	Portland ME 04103, USA (207) 797-0300	6.1 Personal precautions, protective equipment and emergency procedures:	Use PPE, avoid dust formation, ensure adoptate ventilation, avoid breathing dust
1.4 Emergency telephone number:	(207) 797-0300 Technical Service	6.2 Environmental precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
SECTION 2. Hezards identification 2.1 Classification of the Substance or Mixture:		6.3 Methods and material for containment and clean up:	Discharge to the environment must be avoided. Pick up and arrange clisposal without oreating dust. Sweep up and shovel. Keep in
Classification according to OSHA 29CFR 19 (Hazard Communication):	10.1200 Not a hazardous substance or mixture		suitable closed containers for disposal
.2 Label Elements:	None required according to 29CFR 1910.1200	6.4 Reference to other sections:	For safe handling refer to Section 7; For information on PPE refer to Section 8. For disposal, refer to Section 13.
Other indications	Nime	SECTION 7. Handling and storage	
		7.1 Precautions for safe handling: 7.2 Conditions for safe storage, including any	Practice good chemical hygiene when handling. Avoid contact with eyes, skin and elothing. Prevent formation of dust.
3 Additional Information:	No other information	Incompatibilities:	Keep containers closed, store in a dry, well ventilated space.
		7.3 Specific end use(s):	Apart from the uses mentioned in section 1.2, no other end uses are stipulated.
CTION 3. Composition/information on 2 Mixture: Powdered soli		SECTION 8. Exposure controls/personal pi	rolection
Synonyms PBS		8.1 Control parameters: Components with workplace control	
Hazardeus Components Chemica	(%)	Parameters	Contains no substances with occupational exposure limit values
Potassiu	m Chloride 7447-40-7 231-211-8 1-5 % Aquatic Acute 3; Aquatic Chronic 3; H412	8.2 Exposure controls 8.2.1 Appropriate angineering controls:	Ensure eyewash and safety shower are nearby; provide ventilation if necessary
ased on the amount of hazardous ingredients in	this product, it is not considered hazardous according to 29CFR 1910.1200	8.2.2 Personal Protective Equipment:	
KOTION ( Research		Eyes	Safety glasses with side shields, gogglas. Use equipment for eye protection tested and approved under appropriate government standards such as MONH (US) er MN 166 ( Eye and face protection regulations are described by OSITA (US) n29CTR[10].133
DEGITION 4. First still measures 1 Description of first aid measures:			not wear contact lenses when working with chemicals
After inhalation After skin contact	Supply fresh air; consult doctor in case of breathing difficulties. Flush skin with planty of water for at least 15 minutes. Remove contaminated	Hands	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this
After eye contact	elefting, Seek medical attention if irritation develops. Rinse opened eye for several mimites under running water. Seek medical attention if irritation develops.		<ul> <li>product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves has</li> </ul>
After swallowing	If swallowed, consult with medical staff or person control center to determine if any inumediate response or follow up actions are recommended. Never give anything by		to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
2 Most important symptoms and effects, both	mouth to an unconscious person.	Respiratory protection	Appropriate respiratory protection should be determined according to local condition using risk analysis protocols. An approved disposable air purifying particulare respira
acute and delayed:	Nime		may be used as a backup to engineering controls. Always use respirators and compon tested and approved under appropriate government standards such as NIOSH (US) or
3 Indication of any immediate medical attent and special freatment needed:	No special treatment is required		CEN (EU).
		Body 8.2.3 Environmental controls:	Lise body protection relative to its type and amount of material being handled Sweep or wipe up spills, do not allow into sewers or drains
DPTION 6 - Block and a book a second			
SCTION 9. Physical and chemical prop 9.1 Information on basic physical and chemical properties;	ettie	SECTION 13. Disposal considerations Dispose of eases or unset product in accordance service to discove of timesterial.	with Local, State and Federal regulations. Contect a licensed professional water disposal
9.1 Information on basic physical and chemical properties: a) Apparance: b) Oder:	While powder. None		with Local, State and Federal regulations. Contact a licensed professional waste disposed
9.1 Information on basic physical and chemical properties: a) Appearance: b) Oxfor: c) Odor Threshold: d) pH:	White provider. Norse No data available 7.4	Dispose of excess or unused product in accordance service to dispose of this material. SECTION 14. Transport information	
9.1 Information on basic physical and chemical properties: (a) Appaarmon: (b) Odar Threshold: (c) Odar Threshold: (d) pH: (c) Molfing point:flcoring paint: (f) Boiling point:flcoring paint:	White provider. Notes No deta savalable 7.4 No data savalable No data savalable	Dispose of excess or tunned profilet in accordance service to dispose of this material. SECTION 14. Transport information 14.1 IN Number DOT, ADR, ADN, IMDA, IAR, AD 14.2 IN proper adjung name DCT, ADR, AD	A : Not deegonas govde N. MDG, IATA : Not deagenous govds
9. Information on basic physical and chemical properties: a) Apparence: b) (Adser c) Odder Threshold: d) pH: c) Milling point/ficering point: b) Railing point/Rolling range: g) Flash point: b) Evaperition rate;	Winte provider, No ótra available 7.4 No ótra available No ótra available No ótra available No ótra available	Dispose of eccess or turned profiler in accordance service to dispose of this material. SECTION 14-Transport information 14.1 IN Number DCT, ADR, ADR, IMDS, IAT 14.3 IN proper shiping name DCT, ADR, ADR, IMDS, IAT 14.3 Transport Inzard class(s) (DOT, ADR, A (ATA):	A : mod, latta - Not desgensus goods 9. mDol, latta - Not desgensus goods DN, IMDo, - Not applicable,
9.1 Information on basic physical and chemical properties: a) Apparence: b) Odor C) Odor Threshold: d) PH: c) Milling point/fisceng point: b) Realing point/Bioling range: g) Tasks point: b) Evapertinis mate: b) Evapertinis mate: b) Evapertinis mate: b) Dispertives: manualitity or explosive	Write proveder, kvere N den averalishe No dana averalishe No dana averalishe Ne data averalishe Ne data averalishe Ne data averalishe Ne data averalishe	Dispose of cases or turned profiles in necerdance pervise to dispose of this material. SECTION 14-1 Transport Information 14.1 IN Number DOT, ADR, ADV, MIDA, IAT 14.2 UN proper shipping name DOT, ADR, AD 14.3 Transport hazar de dasses) (DOT, ADR, AL 14.4 Packing group (DOT, ADR, AL 14.5 Environment lazards)	A Not dangerous goods N. IMDO, TATA: Not dangerous goods DN. IMDO, Not dangerousla, Not applicable, Not applicable,
AI information on basic physical and dentical properties.     al Appartment:     b) Cabe     c) Cabe	Write provider, New Constraints of the second seco	Dispose of cases or tunned profinds in accordance service to dispose of this material. SECTION 14.9 Transport Information 14.1 NN Number (JUT, ADR, ADX, INDA, IAT 14.2 NN project Highing mone DCT, ADR, ADX 14.1 APA transport frazer disassi (JOT, ADX, ADX 14.1 APA transport frazer disassi (JOT, ADX, ADX 14.1 APA transport frazer disassi 14.1 APA transport frazer disassi 15.1 APA transport fr	A : Not daugenus goods N. MDG, LATA: Not daugenus goods DN, MDG, K. Starpsfeable, F. Not applicable, Not applicable, Not applicable,
Information on basic physical and dearded properties: a) Appartmee: b) Odar b) Odar	Write proveder, kvere N dans available A o dans available No dans available	Dispose of cases or tunned profiles in accordance service to dispose of this material. SECTION 14.4 (Transport Information 14.1 UN, Number DOT, ADB, ADS, IMDS, IAT 14.2 UN proper Adjung name DOT, ADB, ADB 14.3 (Transport Inarrad classes) (DOT, ADB, AD 14.3 (Transport Inarrad classes) (DOT, ADB, AD 14.3 (Environmental Inaard) 14.5 Environmental Inaard) 14.5 Environmental Inaard)	A : Not daugenus goods N. MDG, LATA: Not daugenus goods DN, MDG, K. Starpsfeable, F. Not applicable, Not applicable, Not applicable,
AI Information on basic physical and dentical properties: an observation of the second second second second observation of the second se	Write provider, Note: No data waliahle No data waliahle	Dispose of cases or tunned profinds in accordance service to dispose of this material. SECTION 14.1 TENESCI INFORMATION 14.1 IN Number 2017, 2018, 2019, [MOG, 147] 14.3 IN proper shipping name DOT, 2018, 2019, 14.3 Environmental basards 14.4 Facking proug (DOT, ADR, MING, 1471, 14.5 Environmental basards 14.6 Tensayor in bulk according to Annex II of SECTION 15. Regulatory information	A : Not daugenus goods N. MDG, LATA: Not daugenus goods DN, MDG, K. Starpsfeable, F. Not applicable, Not applicable, Not applicable,
Information on basic physical and denical properties: a) Apparatme: b) Cdar b) Cdar c) Cdar c) Cdar b) Cdar c) Cdar c) Cdar b) Cdar c) Cdar b) Cdar c) Cdar b) Cdar c) Cdar b) Cdar c) Cdar b) Cdar c) Cdar	Write provider, No data sevilable 7.4 No data sevilable No data sevilable	Dispose of cases or tunned profile in accordance pervice to dispose of this methal. SECTION 14.1 remover information 14.1 IN Number DOT, ADR, ADR, MIDG, IATA 14.3 UN proper shipping name DOT, ADR, AD, 14.3 LTA proper shipping name DOT, ADR, AD, 14.5 Environmental activation of the shipping and 14.6 Special presentions for user : 14.6 Special presentions for user I 14.7 Transport in bulk according to Annex II o	A :
Information on basic physical and denical properties.     a) Apparatments: b) Caser d) Caser	Write provider, Note: No data waitable No data waitable	Dispose of cases or tunned profiles in accordance service to dispose of this material. SECTION 14: Transport Information 14.1 IN Number 2017, 2018, 2019, IMDG, IAT 14.3 IN proper shipping name DOT, JOB, 2019 14.3 Transport have dease(s) (DOT, ADR, 1MDG, IAT 14.4 Furking group (DOT, ADR, 2016, IATR, 14.5 14.4 Furking group (DOT, ADR, 1MDG, IATA 14.5 Environmental bazards 14.7 Transport in bulk according to Annex II of 15.1 Safety, Isolih and environmental regulational specific for the substance 15.1 Safety, Isolih and environmental regulational Regulators 5.7 AdrA Section 30.0 (Externely Hazardons	A :
Information on basic physical and chemical properties.     with Apparentations b) Gaser d) Gaser d) Gaser d) Gaser d) Gaser d) Gaser d) Gaser d) Gaser d) Gaser d) Halley point/Beding renge: d) Balay point d) Paper Insolution d) Pap	Write provider, ketz Y den semilable No data available No data available	Dispose of cases or tunned profiles in accordance     service to dispose of this material.	A : Not deegonse goods N. M.D.G., IATA: Not deegonse goods DN. M.D.G., Not applicable, Not applicable,
Information on basic physical and chemical properties: a) Appearance: b) Case: b) Case: c) Case:	Write provider, Note: No data waitable No data waitable	Dispose of cases or turned profiles in accordance pervise to dispose of this material. SECTION 14-1 Temport Information 14.1 IN Number DOT, ADR, ADV, MDA, IAT 14.2 UN project shipping name DOT, ADR, ADV, 14.3 UN project shipping name DOT, ADR, ADV, 14.4 Packing group (DOT, ADR, RANG, IATA 14.4 Packing group (DOT, ADR, RANG, IATA 14.6 Special prevanitions for user : 14.7 Transport in bulk scoreling to Annax II of SIGNTIONS 15.8 Regulatory information US Tarky, health and environmental regulations/legislation specific for the substance IN Forderal Regulatory information US Forderal Regulatory information SARA Section 302 (Extransly Hazardons Substates) Class Mir Ard	A : Not desponse gools RIMIOG (LTAT. Not desponse gools DNI, IMDO, Kot applicable, Not applicable, Not applicable, Not applicable, Not applicable, Not applicable, Not applicable, Not insed
1. Information on bose physical and chemical properties: a) Appointed () Odor Theshold: a) Different print () b) Odor Theshold: a) Particular periodic () b) Different print () b) Dispersive () Dispersive ()	Write powder, kver A den averlahle No data averlahle	Dispose of cases or tunned profiles in accordance service to dispose of this material. S2C110N144 Termsport Information 14.1 IN Number Ory, ADR, ADN, MIGA, IAT 14.2 UN proper shapping name DOT, ADR, AD, 14.3 UN proper shapping name DOT, ADR, AD, 14.3 UN proper shapping name DOT, ADR, AD, 14.4 Environment and basersh (DOT, ADR, AD, 14.5 Environment and basersh) 14.5 Environment and a constraints 15.1 Tensoper in bulk according to Annex II of 15.1 Statuty, health and environmental regulation significant download and the anti- set of the according to the anti- SAA Section 302 (Datamidy Hazardons SAA Section 302 (Datamidy Hazardons	A : Not dang-more goods N. MDG, LATA: Not dang-more goods DN, IMDG, p: Not applicable, Not applicable, Not applicable, Not applicable, Not applicable, Not applicable, Sec Not insed Not lised Not lised
Information on basic physical and denuical properties: a) Appearance: b) Cdar: b) Cdar: c) Cdar: b) Cdar: b) Cdar: c) Cdar: b) Cdar: c) Cdar: b) Cdar: c) Cdar: b) Cdar: c) Cdar: b) Cdar: c) Cdar: b) Cdar: c) Cdar:	Write powder, to come available No data available	Dispose of cases or tunned profiles in accordance pervice to dispose of this material. SECTION 14.1 remoper information 14.1 IN Number DOT, ADR, ADV, MIDG, IAT 14.3 UN proper shipping name DOT, ADR, AD 14.3 Transport hard classes (i) DOT, ADR, AD 14.3 UN proper shipping name DOT, ADR, AD 14.4 Special garengy DOT, ADR, AD 14.5 Decision and a loared (i) DT, ADR, AD 14.5 Decision and a loared (i) DT, ADR, AD 14.5 Decision and a loared (i) DT, ADR, AD 15.5 Executions for user 1 15.5 Television and an environmental regulation-legislation specific for the substance in the structure of the substance Stochastics (i) Charamaty Hazardens Stochastics) Class Air Act OSILA US (add the structure) Stochastics (in the str	A : Not daugerous goods N, MDG, LATA: Not daugerous goods DN, MDG, AtA: Not daugerous goods Not applicable. Not applicabl
Information on basic physical and denuical properties: a) Apparatmac: b) Color: b) Color: c) Color: b) Color: b) Color: b) Color: b) Color: b) Color: b) Color: c) Col	Write powder, Note No data wailable No data wailable	Dispose of cases or tunned profiles in accordance     service to dispose of this material.     SECI LON 14.4 Termsport Information     14.1 IN Number Org. 70, ABR, ADN, MIDG, MI     14.3 UN proper adapting name DOT, ADR, AD,     14.3 UN proper adapting name DOT, ADR, AD,     14.4 Termsport in a dispose of the service of the servi	A: Not faregrout goods     MLDG, LATA: Not dangerous goods     DR, MDG,      Not applicable,     Soft     Not land
Information on bose physical and denuical properties: a) Appearance: b) Cdar: b) Cdar:	Write powfer, here: by dear semilable No dear semilable	Dispose of cases or tunned profiles in accordance     service to dispose of this material.     SECI LON 14.4 Termsport Information     14.1 IN Number Org. 70, ABR, ADN, MIDG, MI     14.3 UN proper adapting name DOT, ADR, AD,     14.3 UN proper adapting name DOT, ADR, AD,     14.4 Termsport in a dispose of the service of the servi	A: Not faregrout goods     MLDG, LATA: Not dangerous goods     DR, MDG,      Not applicable,     Soft     Not land
Information on bose physical and denuical properties: a) Appearance: b) Cdar: denuical properties: b) Cdar: denuical protection point: b) Cdar: b) Cdar: c) Cdar:	Write powfar, kere: y da samilable No data available No data available	Dispose of cases or tunned profiles in accordance     service to dispose of this material.     SECI LON 14.4 Termsport Information     14.1 IN Number Org. 70, ABR, ADN, MIDG, MI     14.3 UN proper adapting name DOT, ADR, AD,     14.3 UN proper adapting name DOT, ADR, AD,     14.4 Termsport in a dispose of the service of the servi	A: Not faregrout goods     MLDG, LATA: Not dangerous goods     DR, MDG,      Not applicable,     Soft     Not land
Information on basic physical and denuical properties: an obtained properties: obtained provide and provide and obtained and provide and provide and obtained pr	Write powfer, ket: Y data semilable No data semilable	Dispose of measure numed profinance in accordance service to dispose of this material. S2C110X14.4 Termsport Information 14.1 IN Number Org. 2017, 2018, 2019, MIOS, 1471 14.2 UN proper adapting name DOT, 2018, 2019, 14.3 UN proper adapting name DOT, 2018, 2019, 14.4 Special basersh (DOT, 2018, 2019), MIOS, 1471 14.5 Special precuritions for user 1 14.7 Transport in bulk according to Annex II of S2C110X15.1 Regulatory information 15.1 Status, John and worksomental regulation regulatory addression 302 (Datamaty Hazardons SARA Section 302 (Datamaty Hazardons SARA Section 302 (Datamaty Hazardons Sara Astrono 302 (Datamaty Hazardons Sara Astrono 302 (Datamaty Hazardons Sara Astrono 302 (Datamaty Hazardons Sara Astrono 302 (Datamaty Hazardons Case air Astr Class War Act OSILA US Nute Regulations Calamona Dep: 63 Compensate 15.2 Chemical Safaty Amesament	A: Not faregrout goods     MLDG, LATA: Not dangerous goods     DR, MDG,      Not applicable,     Soft     Not land
A Information on basic physical and denical properties: a Angoanne: of Odor Theshold: divide physical and the angoanne: of Odor Theshold: divide print divide angoanne: divide angoanne: div	Write powdar, Write powdar, Yoo data available 7.4 7.4 7.4 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	Dispose of measure numed profinance in accordance service to dispose of this material. SECTION 14. Termsport Information 14.1 IN numes borger adapting nume COT, ADR, AD, 14.3 UN proper adapting nume COT, ADR, AD, 14.3 UN proper adapting nume COT, ADR, AD, 14.3 UN proper adapting nume COT, ADR, AD, 14.4 Special basersh 14.5 Environment Handbasersh 14.5 Environmental Information SECTION 15. Regulatory information 15. Termsport in bulk according to Annex II of 15. Termsport in bulk according to Annex II of 16. Special presentions are used 17. Transport in bulk according to Annex II of 18. Statistics, Baselin and environmental regulation deglabilition specific for the substance mature US Toderal Regulatory Class dari Act Class dari Act Class Wart Act OSILA 15.2 Classical Statisty Amesament 15.2 Classical Statisty Amesament SECTION 16. Other information	A: Not faregrout goods     MLDG, LATA: Not dangerous goods     DR, MDG,      Not applicable,     Soft     Not land
Information on basic physical and denuical properties: al Argonamic: al Argonamic:	Write powder, here: by A No data available No data available Sable muke nemula neomaneded storga conditions. No data available No data available	Dispose of messas or tunned profiles in accordance service to dispose of this material. SECTION 14- Temport Information II-11 IN Number Draft, ADR, ADY, INDA, IAT II-21 VB proper shipping name DOT, ADR, AD II-15 The Section 10 Arrival and the Section IDT, ADR, AD II-16 Secting proop (DOT, ADR, AD, NDG, IATA II-54 Packing proop (DOT, ADR, AD, NDG, IATA II-55 Environmental Instards II-65 Section 2007 (DOT, ADR, AD, NDG, IATA II-55 Section 2007) (DOT, ADR, AD, AD, NDG, IATA II-55 Section 2007) (DOT, ADR, AD, NDG, IATA II-55 Section 2007) (DOT, AD, AD, NDG, IATA II-55 Se	A:         Not dargerous goods           NI, DG, LATA:         Not laggerous goods           DN, BDG, A         Not applicable.           p:         Not applicable.           Not applicable.         Not applicable.           MARPOL7378         Not applicable.           MARPOL7378         Not applicable.           Not applicable.         Not applicable.           Not lissid         Not applicable.           Not lissid         Not ministid horm to emasc anner, hinth deforts, or reproductivo har           Not canied out         Not canied out
Al Information on basic physical and denical properties: a Apparame: b) Odder Translottic difference of the apparence of the apparence d) Odder Translottic difference of the apparence of the apparence difference of the apparence of the apparence of the apparence difference of the apparence of the apparence of the apparence difference of the apparence of th	Write powder, No dera writelike No dara vritelike No dara vritelike Statu under nemul neorumandod stanga conditions. No dara vritelike Statu under nemul No dara vritelike Storeg vritelike No dara vritelike	Dispose of measure numed profinance in accordance service to dispose of this material. SECTION 14. Termsport Information 14.1 IN numes borger adapting nume COT, ADR, AD, 14.3 UN proper adapting nume COT, ADR, AD, 14.3 UN proper adapting nume COT, ADR, AD, 14.3 UN proper adapting nume COT, ADR, AD, 14.4 Special basersh 14.5 Environment Handbasersh 14.5 Environmental Information SECTION 15. Regulatory information 15. Termsport in bulk according to Annex II of 15. Termsport in bulk according to Annex II of 16. Special presentions are used 17. Transport in bulk according to Annex II of 18. Statistics, Baselin and environmental regulation deglabilition specific for the substance mature US Toderal Regulatory Class dari Act Class dari Act Class Wart Act OSILA 15.2 Chemical Statisty Amesament 15.2 Chemical Statisty Amesament	A:         Not dargerous goods           NI, DG, LATA:         Not laggerous goods           DN, BDG, A         Not applicable.           p:         Not applicable.           Not applicable.         Not applicable.           MARPOL7378         Not applicable.           MARPOL7378         Not applicable.           Not applicable.         Not applicable.           Not lissid         Not applicable.           Not lissid         Not ministid horm to emasc anner, hinth deforts, or reproductivo har           Not canied out         Not canied out
Information on basic physical and dentical properties: a Argonamic: a Argonamic: a Argonamic: a Argonamic: a Argonamic: a Argonamic: a Argonamic: a Argonamic: b Argonamic:	Write powdar, No data available No data available Stable rule runni information available No data available No data available Stable null none No data available No data available	Dispose of cases or turns of profession in accordance pervice to dispose of this material. SECTION 14.1 remover information 14.1 IN number Dorger shipping name DOT, ADR, AD, 14.3 UN proper shipping name DOT, ADR, AD, 14.3 UN proper shipping name DOT, ADR, AD, 14.3 UN proper shipping name DOT, ADR, AD, 14.4 Special presentions for user : 14.7 Transport in bulk according to Annue TI e SECTION 15. Regulatory information 15.0 (Section 19.1 Regulatory information 15.0 (Section 19.1 Regulatory information 15.1 Storing according to Annue TI e SECTION 15. Regulatory information 15.1 Storing according to Annue TI e Storing and the writements 15.1 (Section 19.1 Regulatory information 15.1 Section 20.0 (Daramely Hazardons Storing 19.1 Section 19.1 (Section	A:     Not datagenesis goods       NMDG, LATA:     Not applicable,       pi     Not applicable,       Not applicable,     Not applicable,       (MARPOLTATS)     Not applicable,       Soft     Not applicable,       Not listed     Not listed       Not listed     Not listed       Not carried out     Not carried out
Information on bose physical and denuel appretries: a) Appendix denuel appretries: a) Appendix denuel appretries: a) Appendix a) Appendix a) Anthrop point/facening point: b) Acting the point of the point of the point b) Acting the point of the point of the point b) Acting the point of the point of the point b) Acting the point of the point of the point b) Acting the point of the point of the point b) Acting the point of the point of the point b) Acting the point of the point of the point of the point b) Acting the point of the point of the point of the point b) Acting the point of the po	Write powdar, hare by A No data available No data available	Dispose of measure runned profiles in accordance pervice to dispose of this material. SECTION 14.1 remoyer information 14.1 IN number to DCT, ADR, ADN, INDG, IATA 14.3 UN proper shapping name DCT, ADR, ADN 14.3 UN proper shapping name DCT, ADR, ADN 14.3 UN proper shapping name DCT, ADR, ADN 14.4 Special material baserial 14.5 Special presentions for user : 14.7 Transport in bulk according to Annex II ac SECTION 15. Regulatory information 15. Storig and a writemental regulation/deplation specific for the substance material ST oderal Regulatory Class Air Act Collaw Watr Act OSILA USI and another Massachardis light to Know California Prop. 65 Components 15.2 Chemical Staty Amessment 14.2 Internation acquire life with long lastit 14.2 Internation and action on any prosent baser Provem receiving the information and provem baser Provem receiving the information and concemptore baser Provements and the constitute on gamatic and gamatic and the information and and and and and and and and and an	A:     Not dangerous goods       NDDC, IAT.     Not dangerous goods       DNI, IMDC, IAT.     Not dangerous goods       R     Not applicable,       Not applicable,     Not applicable,       INDEROLT/JFR     Not applicable,       Not instelle     Not instelle       Not carried out     Not carried out
	Write powfar, here: A data servitable No data servitable	Dispose of messas or tunned profinance in accordance pervice to dispose of this material. SECTION 14.1 remoyer information 14.3 UN project shipping name DOT, ADR, ADN 14.3 UN project shipping name DOT, ADR, ADN 14.3 UN project shipping name DOT, ADR, ADN 14.3 UN project shipping name DOT, ADR, ADN 14.4 Special greense (DOT, ADR, ADN 14.5 Environmental Instartion 15.5 Micro, Isokita and environmental regulation-keylshiktion specific for the substance or diverse US For Appendix Act Class Air Act Class Air Act 15.2 Chemical Solid (Darmady Hazardons Stothetics) Class Air Act California Prop. 65 Components 15.2 Chemical Staticy Amsument 15.2 Chemical Staticy Amsument 15.2 Chemical Staticy Amsument 15.2 Chemical Staticy Amsument 15.2 Chemical Staticy Amsument 16.2 Chemic	A:     Not datagenesis goods       NMDG, LATA:     Not applicable,       pi     Not applicable,       Not applicable,     Not applicable,       (MARPOLTATS)     Not applicable,       Soft     Not applicable,       Not listed     Not listed       Not listed     Not listed       Not carried out     Not carried out
	White powdar, Wood an available 7.4 7.6 data available 7.6 data available	Dispose of cases or turned profinance in accordance pervise to dispose of this material. <b>SECTION 14. Terrosport Information</b> <b>14.1</b> NN multiple Dry ADR, ADR, MDR, MDR, JAT <b>14.2</b> UN proper shipping name DOT, ADR, AD <b>16.3</b> Dispose that according to according to the solution of the	A:     Not datagenesis goods       NMDG, LATA:     Not applicable,       pi     Not applicable,       Not applicable,     Not applicable,       (MARPOLTATS)     Not applicable,       Soft     Not applicable,       Not listed     Not listed       Not listed     Not listed       Not carried out     Not carried out
	Write powdar, No data available No data available Store available Store available Store available Store available No data available	Dispose of messas or tunned profinance in accordance pervice to dispose of this material. SECTION 14.1 remoyer information 14.3 UN project shipping name DOT, ADR, ADN 14.3 UN project shipping name DOT, ADR, ADN 14.3 UN project shipping name DOT, ADR, ADN 14.3 UN project shipping name DOT, ADR, ADN 14.4 Special greense (DOT, ADR, ADN 14.5 Environmental Instartion 15.5 Micro, Isokita and environmental regulation-keylshiktion specific for the substance or diverse US For Appendix Act Class Air Act Class Air Act 15.2 Chemical Solid (Darmady Hazardons Stothetics) Class Air Act California Prop. 65 Components 15.2 Chemical Staticy Amsument 15.2 Chemical Staticy Amsument 15.2 Chemical Staticy Amsument 15.2 Chemical Staticy Amsument 15.2 Chemical Staticy Amsument 16.2 Chemic	A:     Not datagenesis goods       NMDG, LATA:     Not applicable,       pi     Not applicable,       Not applicable,     Not applicable,       (MARPOLTATS)     Not applicable,       Soft     Not applicable,       Not listed     Not listed       Not listed     Not listed       Not carried out     Not carried out
Information on basic physical and cleanced properties: advanced properties: advanced provided and physical and advanced physical and advanced physical and physical and advanced physical and physical and advanced physical and physical and advanced physical and advanced physical and physical and advanced physical and advanced physical and advanced physical and advanced physical and physical and advanced physical andvanced physical and advanced	Write powdar, Nor Write powdar, No data available No data available	Dispose of messas or tunned profinance in accordance pervice to dispose of this material. SECTION 14.1 remoyer information 14.3 UN project shipping name DOT, ADR, ADN 14.3 UN project shipping name DOT, ADR, ADN 14.3 UN project shipping name DOT, ADR, ADN 14.3 UN project shipping name DOT, ADR, ADN 14.4 Special greense (DOT, ADR, ADN 14.5 Environmental Instartion 15.5 Micro, Isokita and environmental regulation-keylshiktion specific for the substance or diverse US For Appendix Act Class Air Act Class Air Act 15.2 Chemical Solid (Darmady Hazardons Stothetics) Class Air Act California Prop. 65 Components 15.2 Chemical Staticy Amsument 15.2 Chemical Staticy Amsument 15.2 Chemical Staticy Amsument 15.2 Chemical Staticy Amsument 15.2 Chemical Staticy Amsument 16.2 Chemic	A:     Not datagenesis goods       NMDG, LATA:     Not applicable,       pi     Not applicable,       Not applicable,     Not applicable,       (MARPOLTATS)     Not applicable,       Soft     Not applicable,       Not listed     Not listed       Not listed     Not listed       Not carried out     Not carried out
Information on basic physical and chemical properties: a) Apparence: b) Color and Coloration of the second of the second apparence: b) Color apparence: b) Color apparence: b) Color apparence: b) Color apparence: b) Matting point Reading range b) Mathing Second Reading R	Write powdar, No data available No data available Store available Store available Store available Store available No data available	Dispose of messas or tunned profinance in accordance pervice to dispose of this material. SECTION 14.1 remoyer information 14.3 UN project shipping name DOT, ADR, ADN 14.3 UN project shipping name DOT, ADR, ADN 14.3 UN project shipping name DOT, ADR, ADN 14.3 UN project shipping name DOT, ADR, ADN 14.4 Special greense (DOT, ADR, ADN 14.5 Environmental Instartion 15.5 Micro, Isokita and environmental regulation-keylshiktion specific for the substance or diverse US For Appendix Act Class Air Act Class Air Act 15.2 Chemical Solid (Darmady Hazardons Stothetics) Class Air Act California Prop. 65 Components 15.2 Chemical Staticy Amsument 15.2 Chemical Staticy Amsument 15.2 Chemical Staticy Amsument 15.2 Chemical Staticy Amsument 15.2 Chemical Staticy Amsument 16.2 Chemic	A:     Not datagenesis goods       NMDG, LATA:     Not applicable,       pi     Not applicable,       Not applicable,     Not applicable,       (MARPOLTATS)     Not applicable,       Soft     Not applicable,       Not listed     Not listed       Not listed     Not listed       Not carried out     Not carried out

# QuantiPlate Kit for Microcystins-High Sensitivity Page 7 of 8

	SECTION 1. Identification of the substan	ce/mixture and of	the company/undertaking			CTION 3. Composit	ion/Inform:	ation on ingr	edients	
	.1 Product identifier		2007		3.2	Mixture Aqueous solution	IN Hydrochi	wie Aeid (IN)	HC1, 3 % HC1)	
	Synonyms: Part nomber	1.0 N HC	C1	20070		Chemical name		CAS No	Classification According to O	SHA 29CFR 1910.1200
	1.2 Relevant identified uses of the substance or mixture and uses advised against application	m				Hydrachlaric seid		EC No	Howard Closel Reation	Harrard Code
	L3 Details of the supplier of the safety data shee	et	• • • • • • • • • • • • • • • • • • • •	10000000		injuction in the lost	100.00	7647-01-0		
	Manufacturer/Supplier:	Portland N	ME. 04103, USA	I Pkwy.				231-595-7		5 m 2 1 2
	I Transment telephone munches								Causes Serious Eye Damage	11318
		(201) 777	and reclared house							
		IIazard 10.1200 Motal Co	priosive (Cat. 1) II290							
		Stan Irm Serious F	fation (Cat 2) 11513 Eye damage (Cat. 1) H318		SEC	TION 4. First aid )	measures			
		00			4.1 E A	Description of first ald After inhalation :	l measures		In case of inhalation. Remove to fresh air.	If not breathing give artificial
	Mazard rictoments :				А	After skin contact :			In case of skin contact. Remove contamina	ted clothing and shoes immediately.
	Papara pictograms .	A 8	>						evidence of chemical remains.	
	Sumul word -	×			A	After eye contact :			minutes. Lifting evelids occasionally, unti-	I no evidence of chemical remains
	States Control of States	Warning			A	After swallowing :			In case of ingestion. DO NOT Induce von	iting unless directed to do so by
	Theorem and an and the states.	H315 C	auses skin irritation						medical personnel. Never give anything b a physician immediately.	y mouth to an inconscious person. (
	Precautionary statements:			tive automation required	4.2 M A	fost important sympt And delayed:	oms and effe	ets, both acut	e May cause skin irritation and eye damage	
		P302 + P	2352 IF ON SKIN: Wash	with plenty of soap and water.	4.3 1	ndication of any imm	ediate medic	al attention an	d	
		. 363 ° F.	minutes. Remove or	ontact lenses if present and easy to do.	s	pecial treatment need	led:		IX) NOT use sodium bicarbonate in an atte	empt to neutralize the acid.
	2.2 Culue Statement	None			1977	TION 5. Einefighti	no measure	5		
	2.5 Other Statements						and a state state		CO2, extinguishing powder or water spray. Figh	t larger fires with water spray or ale
							g from the s	ubstance or		
										ions including respiratory prot-stime
Start is by define (2020)?       Arriver is 1, by define (2020)? <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>gear.</td><td></td></td<>									gear.	
Company         Control of a classification of a classificatio classification of a classification of a classificat	SDS : Step Solution (XGD007)		Revision : 13 April, 2015			DS : Stop Solution (5)	(GD007)		Revision : 13 April, 2015	Page 2
Set UN-Y information of lower informatinformation of lowerinformation of lower information of lower info										
Start Landman         Description         Description         Description         Description         Description           2.1 Productions or determined         Description         Description         Description         Description         Description         Description           2.2 Productions or determined         Description         Descripion         Description         Descr	deanup:	For safe handling	g refer to Section 7. For informat	vonte. Clean with water afterwards, cess of scelaum carbonate or calcium	535 9.1 8.2 9.2 9.2	CTION 9. Physical Information on basic chemical propertie () Apparance () Odor Threshold	and chemic	l Cl Pi Ne	zar liquid, oolotlass to slight yallow. ngant (slight) Deta Available	
1.1. Treatment of the statule       Products       Pr	6.3 Methods and matterial for containment and cleanup. 6.4 References to other sections:	For safe handling	g refer to Section 7. For informat	vonte. Clean with water afterwards, cess of scelaum carbonate or calcium	533 9.1 8 6 6 6 6	TION 9. Physical Information on basic chemical propertie () Apparance () Odor Threshold () phi: Melling noint/ficerin Melling noint/ficerin	and chemic physical an- s: s:	J Cl Pri No PF	car liquid, orlorloss to slight yellow. ingent (slight) Dota Available 11 Data Available	
2.1 Primary standard       When in plipty deads, theremak to other in a construct comparison in a construcon construcon in a construct comparison in a construct	cleanup: 6.4 References to other sections:	For safe handling	g refer to Section 7. For informat	vonte. Clean with water afterwards, cess of scelaum carbonate or calcium	513 9.1 0 0 0	TION 9. Physical Information on basic chemical propertie () Odor Theshold: D) Odor Theshold: D) Holting point/Beoling Boiling point/Beoling	and Chemia physical and st ig point range	I Phi Nic Pi Nic Nic Nic Nic	zar liquad, oolori zos lo slight yellow. ngeni (slight) Dota Available 11 Dota Available. Tota Available. a vadicable.	
$\frac{1}{22} \frac{1}{2} 1$	cteanup: 6.4 References to other sections: SECTION 7. Handling and storage	roods. For safe handling dispusal refer to Practice good cher	g refer to Section 7. For informat Section 13	vuote. Clean with water afterwards. cess of sedium carbonate or calcium ion on PPT refer to Saction 8. For	511 9.1 d d 0 9 8 0 0	TION 9. Physical Information on basic densical propertie https://www.common. // odder Threashold: // pHi- // Mahirpoint/Realing // Bask point/Realing // Bask point/	and chemio physical ans s: ig point tange sascons):	I Cl Ph Ne Pl Ne Ne Ne Ne Ne	sar licensi, ordorlass to slight yollow, regard (slight) 5 Det A Available 1 I 5 Det A Available, regolatoble, 66 (Valert) occurranced with m-Butol Acetate = 1	
$\frac{9 \text{ Protocols}}{10 \text{ Protocols}} = \frac{9 \text{ Protocols}}{10 \text{ Protocols}} = 9 \text{ Protocols$	cleanup: 6.4 References to other sections: SECTION 7. Handling and storage 7.1 Precautions for safe handling: 7.2 Conditions for safe handling:	posda. For safe handling dispusal refer to Practice good char clothing. Store in tightly clo	g refer to Section 7. For informat Section 13 micol hygiene when handling. A used, non-metal container, in a c	worte. Clears with water afterwards, res of sodium carbonate or calcium tion on PPE refur to Stotion 8. For word contact with eyes, skin, and orrowive compatible area. Prevent direct	520 9.1 8 6 8 8 9 9 9 9 9 9	STION 9. Physical Information on basic Actuation of basic Actuation of the properties of the provided of the physical actuation of the physical provided of the physical provided of the physical physical actuation of the physical actuation of the physical physical actuation of the physical actuation of the physical actuation of the physical actuation of the physical actuation of the physical actuation of the physical actuation of the physical actuation of the physical actuation of the physical actuation of the physical actuation of t	and chemio physical ans s: ig point tange sascons):	I Pit Na Na Na Na Na Na Na Na Na Na Na Na Na	sar legand, oxfordsse to slight yellow. eggent (slight) Data Available 11 Jana Available 11 Jana Available 11 Jana Available 16 Water) correspondent of the Available Data Available	
Sections       Description       Description       Description       Description         2.7 Exposes think: $\frac{1}{10000000000000000000000000000000000$	cleanup: 6.4 References to other sections: 5254 ION /a Handling and Storage 7.1 Precautions for soft bandling: 7.2 Conditions for soft bandling: 7.2 Conditions the rate storage, including any Incorportbillifie:	Provide Por safe handling disposal refer to Practice good cher clothing. Store in tightly cle surlight and heat.	g refer to Section 7. For informat Section 13 micel hygiene when handling. A seed, non-melal container, in a c Store in well aired storage room	wonte. Clean wild, water afterwards, ces of sodium carbonate or calcium tion on PPE refor to Stetion 8. For word contact with cyse, thin, and omesive compatible area. Prevent. direct 5.	523 9.1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HIONO EINSIGH Information on basis chemical propertie dentation (appendie) dentation (appendie) dentation (appendie) dentation (appendie) dentation (appendie) dentation (appendie) dentation (appendie) dentation (appendie) dentation (appendie) Vageo density Nature density	and chemio physical ans s: ig point tange sascons):	J Cl Ih Na Na Na Na Sine Na Na Na Na Na Na Na Na Na Na Na Na Na	sar fignal, orderlese to slight yellow, engent (sight) Data Available Data Available Data Available Thist Available Star Available Data Available Data Available Data Available Data Available	
Start Law 2 A signal resulting of the targets       In Space Transmission       In Start Control (Start Contro) (Start Control (Start Control (Start Con	cleanup: 6.4 References to other sections: 5254 ION /a Handling and Storage 7.1 Precautions for soft bandling: 7.2 Conditions for soft bandling: 7.2 Conditions the rate storage, including any Incorportbillifie:	Provide Por safe handling disposal refer to Practice good cher clothing. Store in tightly cle surlight and heat.	g refer to Section 7. For informat Section 13 micel hygiene when handling. A seed, non-melal container, in a c Store in well aired storage room	wonte. Clean wild, water afterwards, ces of sodium carbonate or calcium tion on PPE refor to Stetion 8. For word contact with cyse, thin, and omesive compatible area. Prevent. direct 5.	<b>SXC</b> 9.1 8 c 0	HIONO. Bysical Information on basic Apparent propertie Apparent propertie Odor Theshold Didde Malting point/Realing Malting point/Realing Didde Malting point/Realing Didde Manmability (solid, Upperformer fammability Intris: Vagor density Nagor density Nagor density Nagor density Statisticy George Contention Statisticy George Contention Contention Statistics Contention Contention Contention Contention Contentio Contentio Contention C	and chemic physical ans s: ig point tange gaseous): allity or explo	J Cl Pr. No Pol No No No No No No No No No No No No No	are liquid, enfortes to slight yellow. repart 15/18/1 11 15 Dan Available 12 15 Dan Available 13 Obta Available 14 Obta Available 15 Dan Available	
Compose with limit values that require mediation and the state of the sequence	cleanup: 6.4 References to other sections: 5254 ION /a Handling and Storage 7.1 Precautions for soft bandling: 7.2 Conditions for soft bandling: 7.2 Conditions the rate storage, including any Incorportbillifie:	Provide Por safe handling disposal refer to Practice good cher clothing. Store in tightly cle surlight and heat.	g refer to Section 7. For informat Section 13 micel hygiene when handling. A seed, non-melal container, in a c Store in well aired storage room	wonte. Clean wild, water afterwards, ces of sodium carbonate or calcium tion on PPE refor to Stetion 8. For word contact with cyse, thin, and omesive compatible area. Prevent. direct 5.	5223 5.1 5 5 6 6 6 8 8 9 9 8 8 9 9 8 8 9 9 8 9 9 9 9	CHON 9. Physical Information on bosic Actual properties Appearance (Odor Theshold: ppt) Bailing point/Bealing Post-Bailing point/Bealing Mathing bosic Phases and the point/Bealing Mathing and the point/Bealing Mathing and the point Insti- Disarching and the point Institu- Disarching and the point Institu- Disarching and the point Institu- Disarching and the point Institu- Disarching and the point Institution Coefficient Decomposition temp	and chemic physical and st g point trange gaseous): ality or explo ality or explo	J CI Ph NA NA NA NA NA NA NA NA NA NA NA NA NA	ar ligned, extentions to slight yellow: expose (slight) 11 extentions and the standard standard 12 extention of the standard standard 13 extention of the standard standard standard standard 13 extentions and the standard standard standard standard 13 extentions and standard standard standard standard 13 extentions and standard standar	
Exheritor     State toxic or stability and reasting in       1     Note that is a specific toxic or stability of the specific toxic or	cleanup: 6.4 References to other sections: SECTION 7. Handling and storage 7.1 Presentions for oafs handling. 7.2 Conditions for early handling. 7.2 Conditions for early handling. 7.3 Specific end use(s): SECTION 8. Exposure control/spersonal p	reeds. For safe handling dispusal refer to Practice good char clothing. Store in tightly de studight and teat. Apart from the use	g refer to Section 7. For informat Section 13 micel hygiene when handling. A seed, non-melal container, in a c Store in well aired storage room	wonte. Clean wild, water afterwards, ces of sodium carbonate or calcium tion on PPE refor to Stetion 8. For word contact with cyse, thin, and omesive compatible area. Prevent. direct 5.	5225 9.1 8 8 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	TION 9. Physical Information on basic Acheaical propertie (Appartme: (Odar Theshold: Differentiation (Theshold: Differentiation) (Odar Theshold: Differentiation (Theshold: Differentiation) (Charle poster/Beeling (Charle poster/Beeling) (Charle po	and chemic physical and st g point trange gaseous): ality or explo ality or explo	J Cl Pr No Pr No No No No No No No No No No No No No	are liquid, orderlase to slight yellow; experient (slight) 11 12 13 14 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	
Image: Note: The system of	cleanup: 5.4 References to other section: SECTION 7.4 Handling and storage 7.1 Precautions for oak handling: 7.2 Conditions for aile storage, including any Inicompatibilities 7.3 Specific end use(s): SECTION 8.Exposure controls/personal pr SECTION 8.Exposure controls/personal for Component south limit values that require	reeds. Por safe handling dispusal refer to Practice good chan clothing. Store in tightly de sutlight and teat Apart from the use rotection	g infar to Section 7. For informat Section 13 micel hygiane when handling. A scal, new multi-ordiance, in a co Store in well aired storage recent est manifesti in section 12, no co European (Commission	wonte. Clean with water after wards, one of sodium earborate or eacium tion on PPE refer to Station 8. For word contact with eyes, dain, and ornewire compatible area. Prevent direct 5.	525 9.1 9.1 9.1 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 1.0 9.0 1.0 9.0 1.0 9.0 9.0 1.0 9.0 9.0 1.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	STION 9. Physical Information on bosic Achinakal properties (Odor Thesistoid: project (Odor Thesistoid: pri- (Odor	and chemic physical and st g point trange gaseous): ality or explo ality or explo	J CI Pr. Ber No. No. No. No. No. No. No. No. No. No.	are liquid, ediotics is slight yellow. report (slight) 10 Than Available 11 Than Available 12 Than Available 13 Than Available 14 Than Available 15 Than Available 16 Than Available	
Image: specific program     Information       S2. Papeare Controls:     Pasifing might in mixing think the paper of the sequence of t	cleanup: 5.4 References to other section: SECTION 7.4 Handling and storage 7.1 Precautions for oak handling: 7.2 Conditions for aile storage, including any Inicompatibilities 7.3 Specific end use(s): SECTION 8.Exposure controls/personal pr SECTION 8.Exposure controls/personal for Component south limit values that require	reed.2. For safe handling dispusal refer to Practice good char clothing. Shore in hightly cle suilight and heat. Apart from the use redection Tydrogen	g infar to Section 7. For informat Section 13 micel hygiane when handling. A scal, new multi-ordiance, in a co Store in well aired storage recent est manifesti in section 12, no co European (Commission	wonte. Clean with water after wards, one of sodium earborate or eacium tion on PPE refer to Station 8. For word contact with eyes, dain, and ornewire compatible area. Prevent direct 5.	<b>SXC</b> 9.1 8.1 9.1 9.1 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	CILON 9. Physical Information on basis chemical properties (chemical properties) (chemical properties) (chemical properties) (chemical protein (chemical protein) (chemical protein) (ch	and chemia physical an es gassons): allity or explo allity or explo allity or explo	J CI Pr No No No No No No No No No No No No No	are liquid, ediotics is slight yellow. report (slight) 10 Than Available 11 Than Available 12 Than Available 13 Than Available 14 Than Available 15 Than Available 16 Than Available	
Image: state in the state i	cleanup: 5.4 References to other section: SECTION 7.4 Handling and storage 7.1 Precautions for oak handling: 7.2 Conditions for aile storage, including any Inicompatibilities 7.3 Specific end use(s): SECTION 8.Exposure controls/personal pr SECTION 8.Exposure controls/personal for Component south limit values that require	reed.2. For safe handling dispusal refer to Practice good char clothing. Shore in hightly cle suilight and heat. Apart from the use redection Tydrogen	p utfar to Section 7. For informations Section 13 mired hygiene when handling. A scale non-metal containing in a co- stitute at well action for an estimation of the section 1.2, no co- est matrixed in section 1.2, no co- dimensional in section 1.2, no co- est matrixed in section 1.2, no co- lements of the section 1.2, no co- statistical section	wonte. Clean with water afterwards, one of sodium carbonate of calcium tion on PPE refar to Section 8. For word contact with eyes, skin, and ornosive compatible area. Prevent direct sher specific uses an atipulated USA (OSIIA) [Celling Limit] = 5 ppm	522 9.1. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	r 110N 9. Physical Information on basic (Apparture) and the provided of the (Apparture) (Oder Thesistoid (Control (Contr	and chemia physical an es gassons): allity or explo allity or explo allity or explo	J Pr Pr No No No No No No No No No No No No No	sar legned, enfortese to slight yellow, especial (slight) 1100 Available 1100 Available 1100 Available 1100 Available 1000 Available	
K2.1 Ingineering controls     Pacification using fits instance should be quipted with an exponse handladly down. Use grant of cold chants verifications biology airCone eccentrications biology primised be capped in the exponent instance.       K2.2 General protective and hyperize measures     The total protective and hyperize measures food be allowed to the handlading detamided.       K2.2 General protective and hyperize measures     Safety glasses are should will follow protection and pallower on the shoulding of the properties of the handlading detamided.       By Protection:     Safety glasses are should be glassed protection and pallower on the shoulding of the properties of the handlading detamided.       By Protection:     Safety glasses are should be glassed protection and pallower on the shoulding of the properties regulators and poort appropriate should and the properties and pallower and poort appropriate glasses and poort hyperballower of the properties regulators and poort handlading blass. The specific protective and handlading blass. The s	cleanup: 5.4 References to other section: SECTION 7.4 Handling and storage 7.1 Precautions for oak handling: 7.2 Conditions for aile storage, including any Inicompatibilities 7.3 Specific end use(s): SECTION 8.Exposure controls/personal pr SECTION 8.Exposure controls/personal for Component south limit values that require	reed.2. For safe handling dispusal refer to Practice good char clothing. Shore in hightly cle suilight and heat. Apart from the use redection Tydrogen	p utfar to Section 7. For information Section 13 mired hygiene when handling. A scale non-much dentiation, in a cost scale non-much dentiation, in a cost scale nar will are dentiation, in a cost scale nar will are dentiation of the scale nar will are scale and scale nar scale and much scale a	wonte. Clean with water afterwards, one of sodium carbonate of calcium tion on PPE refar to Section 8. For word contact with eyes, skin, and ornosive compatible area. Prevent direct sher specific uses an atipulated USA (OSIIA) [Celling Limit] = 5 ppm	<b>SX8</b> 9.1 3 c 3 c 3 c 3 c 3 c 3 c 3 c 3 c 3 c 3 c	TION 9. Physical Information on basic dennical properties dennical properties 0 Odor Thesisloid: pH. 9 Odor Thesisloid: pH. 9 Decomposition Tale: 9 Decomposition Tale: 9 Decomposition Tale: 9 Decomposition Tale: 9 Augor dennity 9 March and Prossars: 9 Augor dennity 9 Augor dennity 9 Decomposition temp 9 Decomp 9 Decomposition temp 9 Decomposition temp 9 Decomposition t	and chemic physical as as provint response respo	J Cfl Pr Pr No No No No No No No No No No No No No	are liquid, eclosites is slight yellow. report (slight) 10 han Available 11 han Available 12 han Available 13 han Available 14 han Available 15 han Available 16 han Available 15 han Available 15 han Available 15 han Available 15 han Available 16 han A	walat
general or load character wellikation is loss parthere constantions below participable     105.1 Incompatible materials     Mailer, Allalin maile, base, Ammac       x8.2.2 General protective and hygicare conservers     The twoal proceedingary measures should be adlesed to when handling dimnicids.     Incompatible materials     User memory conditions of storage and use, hanachus decomposition products also conservers       in and Protection     Safety glasses with side shields, geogenerate application (Story in Directions) and a support for aye protection total and approximate application (Story in Directions) and a NIOS H (IS) so PTN 166 (RD) by an according gio view model with inspectod in the material law with applicable part of the materials     Notest H (ST) in Directions     Notest H (ST) in Directions (Story in Directions)       Hand Protection     Index end high so Chores must be inspected give removal testing (without socaling give view and law cold kine cold	cleanup: 6.4 References to other sections: SIXE 110X 7.4 Handling and storage 7.1 Presentions for and handling 7.2 Conditions for and storage, including any Incomponibilities: 7.3 Specific end use(s): SIXE 110X 8.5 Exposure control s/presents of REVELON 8.5 Exposure control s/presents of mouthing a the wedgites:	reed.2. For safe handling dispusal refer to Practice good char clothing. Shore in hightly cle suilight and heat. Apart from the use redection Tydrogen	p utfar to Section 7. For information Section 13 mired hygiene when handling. A scale non-much dentiation, in a cost scale non-much dentiation, in a cost scale nar will are dentiation, in a cost scale nar will are dentiation of the scale nar will are scale and scale nar scale and much scale a	wonte. Clean with water afterwards, one of sodium carbonate of calcium tion on PPE refar to Section 8. For word contact with eyes, skin, and ornosive compatible area. Prevent direct sher specific uses an atipulated USA (OSIIA) [Celling Limit] = 5 ppm	SXS 9.1 9.1 9.1 9.2 9.2 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	STION 9. Physical Information on bosis chemical properties chemical properties () Odor Thesisloid: pH: () Odor Thesisloid: pH: () Stating period: () Stating period:	and chemit is physical ap- st payont in-Octanological autor ensure ensure ensure and reaction	J Cf Pr Pr No No No No No No No No No No No No No	er ligned, edioties to slight yellow. report (slight) Data Available 11 Data Available 12 Data Available 13 Data Available 14 Data Available 15 Data Avail	walat
8.2.2 (averal protective and hyperior mensures):       The usual precentionary measures should be adhered to when handling chemicals.         Eye Protection:       Subject protection and subject protection in the protection in the option of the protection of the protection of the protection of the protection of the option of th	ckanup: 6.4 References to other sections: SIXY ION 7.4 Handling and Morase 7.1 Presentions for soft bandling: 7.2 Conditions for soft bandling: 7.3 Specific end use(s): SIXY ION 8. Exposure control/operational po- tage of the sector	Prevail and the second	p infer to Section 7. For informations Section 13 mired hygiene when handling . A socil resentation of the section of the sec- est marticipation of the section 12, no e estimation of the section 12, no e marticipation of the section 12, no e sections of the section of the section directive section 12, no e sections of the section of the section directive section of the section of the SHT TW A = 45 ppm (75 mg/m3) STEL _ 10 ppm (13 mg/m3) structure abault be equipped w	vonts. Clean with water afterwards. cress of sodium carbonate or calcium tion on PPI infer to Section 8. For void contact with cyse, data, and orrowice compatible area. Prevent direct sther specific uses are atipulated USA (OSILA) USA (OSILA) Colling Limit = 5 ppm 17.5 mg/m3) th are cyclush and safety shows. Use	ВЗЗЗ 1.6 5.1 5 5 5 5 5 5 5 6 6 6 6 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9	CILON 9. Physical Information on bosic Actuality Incoments (Application of the second (Application)	and chemical and physical and physical and set of the s	J CI PP PF No No No No No No No No No No No No No	ser ligned, extentions to slight yellow: expose (sight) (sight) (sight) (sight) (sight) (sight) (sight)(sight)(sight)(sight)(sight)(sight)(sight) (sight)(si	walat
Eye Protection:     Safety glasses with side side agregation tend and approximate matcheds and a MIOS HI (S) or PN 166 (R).       By and procedure againment matcheds and a MIOS HI (S) or PN 166 (R).     Sector contact laws we developed by contact regulations and the MIOS HI (S) or PN 166 (R).       Hand Protection:     Indice with glasses with side side addition to the superstrain regulations and the MIOS HI (S) or PN 166 (R).       Dispose the resolution regulations of the superstrain regulations and the MIOS HI (S) or PN 166 (R).     Sector contact laws we then working with demonals.       Hand Protection:     Indice with glasses (Down multice) is a DCT-RD-Sector regulation on Toxicological Tiflets.     Sector Contact laws we then addition of the superstrain regulation with regulated laws and poort dipole and poort on the superstrain regulation with regulated laws and poort dipole and poort dipole addition regulated regulater regulatereregulateregulateregulater regulatereregulater regulater regulater	ckanup: 6.4 References to other sections: SIXY ION 7.4 Handling and Morase 7.1 Presentions for soft bandling: 7.2 Conditions for soft bandling: 7.3 Specific end use(s): SIXY ION 8. Exposure control/operational po- tage of the sector	Postati handhigi diaposal teär to Proteito good char clothing. Since in ightly de autiligit an other autiligit an other autiligit an other motection Pracilicias uning fet grannel or loose ignored for Pracilicias uning fet	p infer to Section 7. For informations Section 13 mired hygiene when handling . A socil resentation of the section of the sec- est marticipation of the section 12, no e estimation of the section 12, no e marticipation of the section 12, no e sections of the section of the section directive section 12, no e sections of the section of the section directive section of the section of the SHT TW A = 45 ppm (75 mg/m3) STEL _ 10 ppm (13 mg/m3) structure abault be equipped w	vonts. Clean with water afterwards. cress of sodium carbonate or calcium tion on PPI infer to Section 8. For void contact with cyse, data, and orrowice compatible area. Prevent direct sther specific uses are atipulated USA (OSILA) USA (OSILA) Colling Limit = 5 ppm 17.5 mg/m3) th are cyclush and safety shows. Use	ВЗЗЗ 1. 1. 2. 5. 5. 5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.	vi IGN 9. Presient Information on basic Apparatuses of the second of the second second second of the second second second of the second second second second of the second second second second present second second second second second second present second second second second second second present second sec	and chemic physical as a g paint trange and reaction and reaction is instruction and reaction is instruction	J CI PP PP No. No. No. No. No. No. No. No. No. No.	are liquid, evioritase to slight yellow: experient (sight) 11 overlathe 12 overlathe 13 overlathe 14 overlathe 14 overlathe 15 overlath	wd.er mlosa factions vil nel cour.
By and fiber protection regulations we described by OSILA (US) in SOTR 201125 De network controls.     SSCTION 11. Toxicological information       Hand Protection:     Handa with joines. Clowes must be inspected prior to use Use proper diver accords to second this product. Disposes of containing divers after use in second diverse with applicable laws and good. This product proper diverse accords to second this product and good. This product and good this creater with this product. Disposes of containing diverse after use in second accords with applicable laws and good. This product accords provide accords to provide accords to provide accords to accords to accord to	ckanup: 6.4 References to other sections: SIX (100 Y 7.1 Handling and Moraye 7.1 Precautions for soft bandling: 7.2 Specific end sus(s): SIX (100 S.8.2 Separate control/of/presonal of 8.2 Specific end sus(s): R2 Papeoser References R2 Papeoser Controls R2 Papeoser Controls	Pack to handling disposal neifer to Practice good characteristic clothing. Since in pathyle of studies and the analysis of the rotection Practitice using in the use Practitice using in the Practitice using in the Practitice using in the practitice using in the Practitice using in the sequence sequence the sequence sequence the sequence sequence the sequence sequence the sequence sequence the sequence sequence the sequence the sequence the sequence the sequence the sequence sequence the sequence the sequence t	prefer to Section 7. For information Sociation 13 microl hygione when handling. A section 13 social constraints of the section 12, no constraints of the social are will associate social social event mentioned in section 1.2, no constraints of directive 56/54) BHT TWA = 5 types (7.5 TEL_10.2 pp. 10 pp	worts. Clean with water afterwards, case of sodium carbonate of exictum tion on PPE refor to Section 8. For word contact with eyes, skin, and oreasive compatible area. Prevent direct wher specific uses are alipulated USA (OSILA) Ceiling Limit = 5 ppm 17.5 mg/m3) the arcywaph and safety showar. Use ne concentrations below partnersible	ВЗЗЗ 1. 1. 2. 5. 5. 5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.	vi IGN 9. Presient Information on basic Apparatuses of the second of the second second second of the second second second of the second second second second of the second second second second present second second second second second second present second second second second second second present second sec	and chemic physical as a g paint trange and reaction and reaction is instruction and reaction is instruction	J CI Pr No No No No No No No No No No No No No	er lignel, edioties to slight yellow. repear (slight) Data Available 11 Data Available 12 Data Available 13 Data Available 14 Data Available 15 Data Avail	wd.er mlosa factions vil nel cour.
Hard Protection:     Bada with joins: Conserve the inspector for our Dispector of neuronal Dispector for content with any hold in working of the method Dispector for content with any hold in the order of the inspector of the product Dispector for content with any hold. The selected provide in and pool Dispector for content with any hold. The selected provide in and pool Dispector for content with any hold. The selected provide in and pool Dispector for content with any hold. The selected provide in and pool Dispector for content with any hold. The selected provide in and pool Dispector for content with any hold. The selected provide in and pool Dispector for content with any hold. The selected provide in and pool Dispector for provide inspectific regardle in an any pool Dispector for content with any hold. The selected provide in an any pool Dispector for provide inspectific regardle in and pool Dispector for provide inspectific regardle inspectific regardle Dispector for provide inspectific regardle inspectific regardle inspectific Dispector for provide inspectific regardle inspect	desnup:	Prevate modified the modified of the second	p utfor to Section 7. For informations Section 13 micel hygiene when bacdling. A section result of the section of the sec- state at well attend atom, in a c state at well attend in section 1.2, no c estimation of the section 1.2, no c section of the section of the section of the section of the section of the section of the dataset ventilation to loop a discussion in microar section of the section of the section of the dataset ventilation to loop a discussion of the section of the inner measures should be callent	vivores, Clean with water afterwards, cres of sochum carbonate of calcium ison on PPE refler to Stortion 8. For vivid contact with cyse, skin, and orrowive compatible area. Prevent, direct is, ther specific uses are atipulated USA (OSILA) [Colling Limit = 5 ppm.] [7.5 mg/m3) ] ith an eyewash and an Lity shower. Use on concentrations balow partnersible red to when handling chemicols.	ВЗЗЗ 1. 1. 2. 5. 5. 5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.	vi IGN 9. Presient Information on basic Apparatuses of the second of the second second second of the second second second of the second second second second of the second second second second present second second second second second second present second second second second second second present second sec	and chemic physical as a g paint trange and reaction and reaction is instruction and reaction is instruction	J CI Pr No No No No No No No No No No No No No	er lignel, edioties to slight yellow. repear (slight) Data Available 11 Data Available 12 Data Available 13 Data Available 14 Data Available 15 Data Avail	wd.er mlosa factions vil nel cour.
bedrafinge (without tocking glow's value staffinge) is avoid skin contact with its product     Product the staffinge (without tocking glow's value staffinge) is avoid skin contact with its product       Threading Equipment     Appropriate resperatory protection doubled for threading DS value with applicable level to staffing       Threading Equipment     Appropriate resperatory protection doubled for threading DS value with applicable level to staffing       Threading Equipment     Appropriate resperatory protection doubled for threading DS value respected for product and protecting staffing       Staffing Equipment     Appropriate resperatory protection doubled for threading DS value respected for product and protecting staffing to regulate staffing       (TU)     Contain gills, do not allow into environment       Staffing Equipment     Contain gills, do not allow into environment       Staffing Equipment     Contain gills, do not allow into environment	desnup:	Pack to handling lappead test to handling lappead test to be clothing. Since in pipely de autigit and here to autigit and here	prefer to Section 7. For information Sociation 13 microl hygiene when handling. A section 13 sociation 14 microling and sociation of the section 12, no constraints of the directive 56/94) BHT TWA = 5 perm (7.5 TEL -10 perm (7.5 TEL	worts. Clean with water afterwards, case of sodium carbonate of calcium ton on PPE refer to Section 8. For word context with cycs, dain, and orosive compatible area. Prevent direct sher specific uses are alipulated USA (OSILA) Ceiling Limit = 5 ppm (7.5 mg/m3) that repose and safety shower. Use ne concentrations below particulated and the show particulated sher specific uses are alipulated used to when handling ethnicated. genet for approaching ethnicated. meet ne VIDSI (USS) or TB) rea (PD).	<b>SY36</b> 9.1 3 c 3 c 3 c 3 c 3 c 3 c 3 c 3 c 3 c 3 c	IONS. Physical Information on basic Advanced properties () Odor Thesisloid: ) Odor Thesisloid: ) Odor Thesisloid: ) Physical protein-formation () Data protein-formation ) Physical protein- () Data protein-formation ) Physical protein- () Data protein- () The protein- () The protein- () The protein- () The protein- () Ance () applied for the particle of the protein- () Ance () applied for the ) Ance () applied for the () applied for the ) Ance () applied for the () applied for the ) Ance () applied for the () applied for the ) Ance () applied for the () applied for the ) Ance () applied for the () applied for the ) Ance () applied for the () applied for the ) Ance () applied for the () applied for the () applied for the ) Ance () applied for the () applied for the () applied for the ) Ance () applied for the ()	and chemic physical as s protect as protect interpretation of and reaction interpretation of and and and and and and and and	J CT PP PP PP PP PP PP PP PP PP P	er lignel, edioties to slight yellow. repear (slight) Data Available 11 Data Available 12 Data Available 13 Data Available 14 Data Available 15 Data Avail	wd.er mlosa factions vil nel cour.
its specifications of BUDirective 90%80/EEC and the standard EN 374 daried from it.         Transfing Equipment:       Approprint respiratory protection should be determined according to local conditions mung take analysis protocols. An approved discoved in protection should be protecting could be a black by origine registratory and conjugations of BUDirective 90%80/EEC and the standard EN 374 daried from it.         Stratifization:       No semilitation effects larows:         (UL)       Certain spills, do not allow into environment         Stratifization:       No exhibited Information         (UL)       Certain spills, do not allow into environment         Stratifization:       No exhibited Information         Stratifization:       No eXHR effects.         (UL)       Certain spills, do not allow into environment         Stratifization:       No exhibited Information         Stratifization:       No exhibited Information         Stratifization:       No exhibited Information         Stratifization:       No exhibited Information	desnup:	Protection of the second secon	p infer to Section 7. For informat Section 13 mired hygiene when handling. A section 13 mired hygiene when handling. A fore as well access storage recen- er matricened in section 1.2, no c for a well access storage recen- er matricened in section 1.2, no c matrix storage storage recen- er matricened in section 1.2, no c for a well access storage recen- er matricened in section 1.2, no c MRF 1WA = 5 ppm (7.5 mg/m3) STEL - 10 ppm (1.3 mg/m3) STEL - 10 ppm (1.3 mg/m3) STEL - 10 ppm (1.3 mg/m3) storage storage storage storage storage storage storage storage storage storage inner y measures should be adlean h side shields, geogles U as out protour regularizement estandards the offen working with down so Closen and the inspected prin	worts. Clean with water afterwards, cost of sodium carbonate of calcium tion on PPE refer to Steetion 8. For word contact with syst, kim, and omovine compatible area. Prevent direct s, ther specific uses are atipulated. USAN (OSHA) USAN (OSAN USAN USAN USAN USAN USAN USAN USAN U	STAR S.1 S.1 S.1 S.2 S.2 S.2 S.2 S.2 S.2 S.2 S.2	CONSTRUCTION STATES STATE	and chemic physical as s physical as provide the physical argument of the physical argumen	J CT PP PP PP PP PP PP PP PP PP P	are liquid, editorilises is slight yellow. report (slight) both Available 11 15 16 17 18 18 19 19 19 19 19 19 19 19 19 19	ndvas rastiens vil not eccar. ardvas decompositions products abec
Bitsching Equipment:       Appropriate respiratory protection should be determined seconding to local conditions magins, analysis pototoxich, an approved size praintigate respiratory multiple regulational respiratory multiple regulations and a school sequence regulates and incomparison in the local conditions in the local and approval under approval under appropriate government standards such as NDNH (1, S) or CDN (CD).       No semilization:       No semilization:       No semilization:       No SMR (fields, lancom)         8.2.3 Environmental exposure controls:       Centain apills, do not allow into environment       No       CMR (ancinogeninely, magementa) and horizonta)       No       CMR (fractinogeninely, magementa) and horizonta)       No       Minimum (LO)       Filed conditional information         8.2.3 Environmental exposure controls:       Centain apills, do not allow into environment       SECTION 12. Foological information       No       Minimum (LO)       Filed conditional information         ISECTION 12. Foological information	desnup:	Design in the set of t	p uffer to Section 7. For informat Section 13 mired hygiene when handling. A scalar pro-musical contraints of the scalar of the section 12, no co- state at well area of the section 12, no co- text of the section 12, no co- state at well area of the section 12, no co- lection of the section 12, no co- text of the section 12, no co- st at well area of the section 12, no co- lection of the section 12, no co- st at well area of the section 12, no co- st at well area of the section 12, no co- text of the section 12, no co- tex	wants. Clean with water afterwards, cress of sodium carbonate or calcium tion on PPE refer to Stection 8. For word contact with cycs, dain, and orrowive compatible area. Prevent direct 8. b ther specific uses are atipulated USA (OSIIA) Celling Limit = 3 ppm (7.5 mg/m3) th are convents and safety shower. Use ne concentrations below partiestible one concentrations below partiestible one concentrations below partiestible one to when handling charaides. (PD) or NI (DS) m 20°C (RD) or NI (or (PD) or NI (DS) m 20°C (RD) (1.5). Det or In the Use partiestible in and apply and the product of the when character given more and or not the Use partiestible in and apply of the product of the Use partiestible in and apply of the product of the Use partiestible in and apply for an apply	STAR S.1 S.1 S.1 S.2 S.2 S.2 S.2 S.2 S.2 S.2 S.2	CONSTRUCTION STATES STATE	and chemic physical as s physical as provide the physical argument of the physical argumen	J CT PP PP PP PP PP PP PP PP PP P	are liquid, ediotics is slight yellow. report (slight) Data Available 11 12 13 14 15 16 16 16 17 18 18 19 19 19 10 19 10 10 10 10 10 10 10 10 10 10	ndras ractions vil not coar. ndras decompositions products alex
Isability of the second sec	desnup:	Practice anothing for sait modified provide the provide the children chi	p infer to Section 7. For information 5. Section 13 Section 13 Section 13 Section 13 Section 13 Section 13 Section 14 Section 14 Section 14 Section 12 Section 13 Section 12 Section 14 Sec	vosite, Clean with water afterwards, cost of wolum carbonate or calcium tion on PPI infarts Section 8. For void contact with cyse, skin, and ornorice compatible area. Prevent direct atter specific user are atipulated USA (OSILA) USA (OSILA) Calling Limit = 3 ppm. [25 mg/m3] tith an eyowash and safety shower. Use ne concentrations below particulated and to When handling chanatoris. parts for eye protection tested and such a MICSA (US) or FN 166 (RU) such a MICSA (US) or FN 100 (RU) or for the US or FN 100 (RU) or FN 100 (RU) such a MICSA (US) or FN 100 (RU) su	STAR S.1 S.1 S.1 S.2 S.2 S.2 S.2 S.2 S.2 S.2 S.2	CONSTRUCTION STATES STATE	and chemic physical as s physical as provide the physical argument of the physical argumen	J CT PP PP PP PP PP PP PP PP PP P	ser legand, orderlase to slight yellow: experient (slight) 11 orderlashi 12 orderlashi 13 orderlashi 14 orderlashi 14 orderlashi 15 orderlashi 15 orderlashi 16 orderlashi	ndoas raacijens vil net eccar. ardoas tracijens vil net eccar. ardoas decompositions products alec status <u>Species</u>
Image: CPU in the interview of the inter	clamp:	Press at modiling for same modiling for same modiling for same modiling control control same model control same model same model for the same model for the	p infer to Section 7. For informat Section 13 micel hygiene when handling. A biological result of the section of the society of the section of the section of the directive Self-94 BHT WA - Spron (7.5 mg/m3) STEL - 10 ppin (1.5 mg/m3) STEL - 10 ppin (1.5 mg/m3) STEL - 10 ppin (1.5 mg/m3) STEL - 10 ppin (1.5 mg/m3)	voorts. Clean will water afterwards. create of woldium end-towards of weldium tion end PDT infer to Section 8. For void contrast with eyes, dain, and orrestive compatible area. Prevent direct start specific uses are atipulated  VSA (OSILA)  Celling Limit = 3 ppm 17.57 mg/m3  tith an eyewash and safety shows. Use ne concentrations below particular tith are eyewash and safety shows. Use ne concentrations below particular tith are eyewash and safety shows. Use ne concentrations below particular tith are eyewash and safety shows. Use ne concentrations below particular tith are eyewash and safety shows. Use ne concentrations below particular tith are eyewash and safety shows. Use ne concentrations below particular to the shows the eye of the toway of the safety and pool edits.	222 9.1 9.1 9.1 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	CON 9. Physical Information on bosis chemical properties (b) (b	and chemic physical as s physical as provide the physical argument of the physical argumen	) () () () () () () () () () () () () ()	are liquid, extentses to slight systew. The off (skipht system) The Available 11 12 13 14 14 15 14 15 16 16 17 18 19 19 10 10 10 10 10 10 10 10 10 10	ndoas raacijens vil net eccar. ardoas tracijens vil net eccar. ardoas decompositions products alec status <u>Species</u>
SECTION 12. Prological information           12.1 Toxicity:         Aquatic taskity (1N.HC))         Effect data         Exposure time         Species           Acted data taskity         Octor #20 mpL         00h         Lotectors id	cleanup:  4.4 References to other wettons:  5.4 References to other wettons:  5.4 References to other wettons:  5.4 TON 5.4 Handling; and Morzow 7.3 Specific end use(s):  5.3 Specific end use(s):  5.4 Proposate Similar  Company Similar  Compan	Practice anothing for sail anothing for sail anothing protection of the control of the co	Infar to Section 7. For information 5. Section 13     Section 13     mired hygisne when handling. A     scale normal container, in a      scale normalial container, in a      generation of the state of the st	worts. Clean with water afterwards, cost of sodium carbonate or calcium tion on PPE refer to Steetion 8. For word contact with syst, kim, and omovine compatible area. Prevent direct solid contact with syst, kim, and omovine compatible area. Prevent direct solid contact with syst, kim, and other specific uses are atipulated. USAN (OSHA) USAN (OSHA) USA	522 1. 1. 2. 3. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5	I ION 9. Physical Information on basic Other	and chemic physical as s s physical as  ph	1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	ar ligned, extentions to slight systew. report (style) (1) Style) (1) Style) (2) Stata Available (2) Stata Av	ndoas raacijens vil net eccar. ardoas tracijens vil net eccar. ardoas decompositions products alec status <u>Species</u>
12.1 Toxicity:         Aquatic toxicity         Exposure time         Species           Acust 6 data toxicity         Order         Order         Order         Order         Dot         Locicuto data	cleanup: 5.4 References to other actions: SECTION 7.1 Handling and storage T1 Presentions for a for handing. 7.2 Conditions for action to action the storage, including any file of the storage including any file of the storage including any SECTION 8.2 Exposure conferences (Section 1) SECTION 8.2 Exposure (Section 1) SECTION 8.2	The same modified of the second secon	Infar to Section 7. For information 5. Section 13     Section 13     mired hygisne when handling. A     scale normal container, in a      scale normalial container, in a      generation of the state of the st	worts. Clean with water afterwards, cost of sodium carbonate or calcium tion on PPE refer to Steetion 8. For word contact with syst, kim, and omovine compatible area. Prevent direct solid contact with syst, kim, and omovine compatible area. Prevent direct solid contact with syst, kim, and other specific uses are atipulated. USAN (OSHA) USAN (OSHA) USA	533 5.1 5.1 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2	CONS. Physical Information on bosis chemical properties () Odor Thesisloid: pH: () Odor Thesisloid: pH: () Odor Thesisloid: pH: () Thesis period: () T	and themit physical ac set and physical ac physical ac set trapped ac set and reactif is and reactif is an and reactif is an and reactif is an	1      ()	er land, edelise to slight yellow. eren (14)(14) 10 an Availabe 11 Dan Availabe 12 Dan Availabe 13 Dan Availabe 14 Dan Availabe 15 Dan Availabe 16 Wellow; correct with m-Baiyl Acetale = 1 Data Availabe 10 bata Availabe	ndoas raacijens vil net eccar. ardoas tracijens vil net eccar. ardoas decompositions products alec status <u>Species</u>
Acute fail toxicity LC59=52 mg/L 3946 Leucasto of Acute data toxicity No data	ckanup: 6.4 References to other section: SECTION 7. Handling and storage 7.1 Presentions for a building. 7.2 Conditions for acti building. 7.3 Specific and us(a): SECTION 7.4 Handling and storage including any SECTION 7.4 Handling and storage including any SECTI	Prevaturation of the second se	p infer to Section 7. For informat Section 13 micel hygiene when handling. A first of hygiene when handling a first of hygiene when handling a first of hygiene and hygiene hypical directive solved in the hypical strategiene hypical directive solved hypical strategienes that hypical is mistaur abstulie he adheses in the hypical hypical strategienes that defend hypical strategienes that hypical strategienes that hypical hypical strategienes that hypical hypical strategienes and hypical hypical hypical strategienes that hypical hypical strategienes that hypical hypical strategienes and hypical hypical hypical hypical hypical hypical hypical strategienes and hypical hypic	worts. Clean with water afterwards, cost of sodium carbonate or calcium tion on PPE refer to Steetion 8. For word contact with syst, kim, and omovine compatible area. Prevent direct solid contact with syst, kim, and omovine compatible area. Prevent direct solid contact with syst, kim, and other specific uses are atipulated. USAN (OSHA) USAN (OSHA) USA	State States States States States States States States States States	IION 9. Physical Information on basic Atomical properties () Odor Thesisloid: ) Odor Thesisloid: ) Odor Thesisloid: ) Phane point/Pecific ) Phane point/Pecific ) Phane point/Pecific ) Phane point/Pecific ) Phane point/Pecific ) Phane prosena: ) Ph	and chemic physical as protection of the physical physical approach physical approach integration of the physical approach of the physical approac	I     I	er land, edelise to slight yellow. eren (14)(14) 10 an Availabe 11 Dan Availabe 12 Dan Availabe 13 Dan Availabe 14 Dan Availabe 15 Dan Availabe 16 Wellow; correct with m-Baiyl Acetale = 1 Data Availabe 10 bata Availabe	ndoas raacijens vil net eccar. ardoas tracijens vil net eccar. ardoas decompositions products alec status <u>Species</u>
	cleanup: 6.4 References to other section: SECTION 7.4 Handling and storage 7.1 Presentions for a familing 7.2 Conditions for set formagin including any 7.3 Specific and use(s): 7.3 Specific and use(s): 7.4 Paparent limit 7.5 Paparent limit 7	Prevaturation of the second se	p infer to Section 7. For informat Section 13 micel hygiene when handling. A first of hygiene when handling a first of hygiene when handling a first of hygiene and hygiene hypical directive solved in the hypical strategiene hypical directive solved hypical strategienes that hypical is mistaur abstulie he adheses in the hypical hypical strategienes that defend hypical strategienes that hypical strategienes that hypical hypical strategienes that hypical hypical strategienes and hypical hypical hypical strategienes that hypical hypical strategienes that hypical hypical strategienes and hypical hypical hypical hypical hypical hypical hypical strategienes and hypical hypic	worts. Clean with water afterwards, cost of sodium carbonate or calcium tion on PPE refer to Steetion 8. For word contact with syst, kim, and omovine compatible area. Prevent direct solid contact with syst, kim, and omovine compatible area. Prevent direct solid contact with syst, kim, and other specific uses are atipulated. USAN (OSHA) USAN (OSHA) USA	SEC SEC SEC SEC SEC SEC SEC SEC	CON 9. Physical Information on basis chemical properties () Odor Thesisloid: pH: () Odor Thesisloid: pH: () Odor Thesisloid: pH: () Data () Data () () Data () Data () () Data () Data () () Data () Data () () Data ()	and chemic physical as protection of the physical physical approach physical approach integration of the physical approach of the physical approac	)  ()  ()  ()  ()  ()  ()  ()  ()  ()	ar lightig ediotises is slight yellow. eye of slight that a slight yellow. Here is a straight yellow. Here is	ntions reactions will not occor. ardons reactions will not occor. ardons decompositions products aloc s or milder <u>s or milder</u> <u>s not</u>
	ckanup: 6.4 References to other section: SECTION 7. Handling and storage 7.1 Presentions for a building. 7.2 Conditions for acti building. 7.3 Specific and us(a): SECTION 7.4 Handling and storage including any SECTION 7.4 Handling and storage including any SECTI	Prevaturation of the second se	p infer to Section 7. For informat Section 13 micel hygiene when handling. A first of hygiene when handling a first of hygiene when handling a first of hygiene and hygiene hypical directive solved in the hypical strategiene hypical directive solved hypical strategienes that hypical is mistaur abstulie he adheses in the hypical hypical strategienes that defend hypical strategienes that hypical strategienes that hypical hypical strategienes that hypical hypical strategienes and hypical hypical hypical strategienes that hypical hypical strategienes that hypical hypical strategienes and hypical hypical hypical hypical hypical hypical hypical strategienes and hypical hypic	worts. Clean with water afterwards, cost of sodium carbonate or calcium tion on PPE refer to Steetion 8. For word contact with syst, kim, and omovine compatible area. Prevent direct solid contact with syst, kim, and omovine compatible area. Prevent direct solid contact with syst, kim, and other specific uses are atipulated. USAN (OSHA) USAN (OSHA) USA	SEC SEC SEC SEC SEC SEC SEC SEC	CON 9. Physical Information on basis chemical properties () Odor Thesisloid: pH: () Odor Thesisloid: pH: () Odor Thesisloid: pH: () Data () Data () () Data () Data () () Data () Data () () Data () Data () () Data ()	and chemic physical as protection of the physical physical approach physical approach integration of the physical approach of the physical approac	Control of the second sec	ar liquid effets to slight yellow. To fight the second se	wd.er ardena tractitets wil not occur: ardena fractitets wil not occur: ardena decompositions products alex Species Species Species ardena fractitets of the species S

QuantiPlate Kit for Microcystins-High Sensitivity Page 8 of 8

2.2 Persistence and degradability :	No Data Available	SECTION 16. Other information
2.3 Bio accumulative potential:	No Data Available	This information is true based on our present knowledge. However, EnviroLogis makes no representation of its accuracy or completeness.
evenestation and	No Data Available	Persons receiving this information must exercise their independent judgment in determining the product's safety and mitability for its intended use. This document shall not constitute a guarantee for any specific product features and shall not establish a legisly valid contractual
com c Necescretoren d	Not available as a chemical safety assessment, not required/not conducted.	relationship EHS Department
		Enviral agix lae.
2.6 Other adverse effects:	No Data Available	Codes:     H290 May be Cerrosive to Metals     P281 Use Personnel Protective equipment as Required
ECTION 13. Disposal considerations		H315         Causes Skin Irritation         P302 + P352         IF ON SKIN: Wash with planty of scop and water           H318         Causes Serious Eye Damage         P305 - P351 + P338         IF IN EYES: Rinse cautiously with water for several
	Contact a licensed professional waste disposal service to dispose of this material.	minutes. Remove contact lenses if present and easy to do so
	Disposal of surplus or waste solutions must be in accordance with applicable loca and national lows and regulations.	al, state,
ECTION 14. Transport information 4.1 UN-Number DOT, ADR, ADN, IMDG, IATA ;	UNI789	
<ol> <li>UN-Number DOT, ADR, ADN, IMDG, IATA :</li> <li>UN proper shipping name DOT, ADR, ADN, I</li> </ol>		
<ol> <li>Transport hazard class(cs) DOT, ADR, ADN, i</li> <li>4.4 Packing group (DOT, ADR, IMDG, IATA):</li> </ol>	MDG, IATA): 8 III	
4.5 Environmental hazards	Not hazardous to the environment.	
4.6 Special precautions for user :	None	
4.7 Transport in bulk according to Annex II of M and the IBC code:	ARPOL73/78 No information available,	
<b>CETION 15. Regulatory information</b>		
5.1 Safety, health and environmental regulations/legislation specific for the		
substance or mixture US Federal Regulations		
	CAS# 7647-01-0 is not listed on the TSCA inventory. None listed.	
TSCA Haalth and Sufaty Parasition List		
Health and Safety Reporting List Chemical Test Rule	None under a Chemical Test Rule.	
Health and Safety Reporting List Chemical Test Rule CHRCLA SARA Section 302 (Extremely Hazardous	None under a Chemical Test Rule. CAS# 7647-01-0: 5000 lb final RQ; 2270 Kg final RQ. CAS# 7647-01-0: 500 lb TPQ.	
Health and Safety Reporting List Chemical Test Rule CERCLA	CAS# 7647-01-0: 5000 lb final RO; 2270 Kg final RO.	
Health and Safety Reporting List Chemical Test Rule CHRCLA SARA Section 302 (Extremely Hazardous Sabstances)	CAS# 7647-01-0: 5000 lb final RQ; 2270 Kg final RQ; CAS# 7647-01-0: 500 lb TPQ;	
Health and Sofey Reporting List Chemical Test Rule CERCI.A SARA Section 302 (Extremely Hazardous Substance) Clean Air Act Clean Water Act	CASF 7647-04-05 0000 lb fmal RC; 2270 Kg fmal RQ; CASF 7647-01-05 000 lb TPQ. CASF 7647-01-06 500 lb TPQ. CASF 7647-01-06 is listed as a hazardous air pollorant (HAP). CASF 7647-01-06 is located as hazardous Substance under the (WAR). CASF 7647-01-06 is considered highly hazardous by OSILA. CASF 7647-01-06 cam be located on the following rate right to know in	
Hadhi and Safey Reporting List Chemical Tork Rule (JRRCU A SARA Sertion 302 (Extremely Hazardons Salostance) Chem Vater Act OSHA	(ASF 7647-01-05 0001h fmd RC); 2270 Kg fimil RQ, CASF 7647-01-06 5001h TPQ (CASF 7647-01-06 is listed as a hazardous in pollutant (HAP). CASF 7647-01-06 is listed as a hazardous Substance under the CWA. CASF 7647-01-06 is is considered highly hazardous by OSILA.	inter Coly
Health and Safety Reporting List Chenical Text Note CHENIA SARA Section 920 (Estremely Hazardons Substances) Clean Mr Aut Clean Water Act Clean Water Act CSHA CSHA	(3A87 7617-01-2: 5000 1b Fmil (R); 2270 Kg fmil R); CA87 7617-01-3: 500 1b Tm2 (CA87 7617-01-3: b) index as harmfors introduced (IAV); CA87 7617-01-3: index as harmfore Subtractions (IAV); CA87 7617-01-3: index as harmfore Subtractions by OSILA; CA87 7617-01-3: index as harmfore CA87 and the Subtraction by OSILA; CA87 7617-01-3: index and the following state sight to know in XI, PA, MN, MA; C: ProperS on Segnificiant Bial: Acear and more the subtraction in this fit.	sale CA, product constant of the second
I ladit and Safey Reporting List Chronical Ter Kirkan (1998). A start of the second start Substance) Clean Vase Ad OSIA (1988) Start Ad	CASE 7647-01-8. 5000 HT (2), 2270 Kg fmil RQ: CASE 7647-01-8. 5000 HT (2), 2270 Kg fmil RQ: CASE 7647-01-8. 5000 HT (2), 2000 HT (2)	sale CA, product
Hashi and Safay Jegoring List Chrnival Totle (DRU), A SARA Settion 322 (Estremely Ilazardors Chara Marka Chara Marka Chara Marka OSIA US State Regulations European/International Regulations	(3A87 F017-01-8: 3000 HF frait (K2; 2270 Kg fmil R4). CA87 F017-01-8: 5000 HF frait (K2; 2270 Kg fmil R4). CA87 F017-01-8: histoites a harmofros inty Tolhami (HAP). CA87 F017-01-8: inconsidered highly hazardam by OSILA. CA87 F017-01-8: genetic formed in the following state right to know in VL, PA NN, MA. CA Pop 657 no Staginizioni Rial. Lavoit more of the chemicals in this p are hold. A registration number is not stabilish for this software is not strong in registration muther is not stabilish for this software is not stopping registration for the registration is not signal (energy of the relative state stabilish).	inte CA, product or or its