

SECTION 1 . Identification of the substance/mixture and of the company/undertaking


1.1 Product identifier
Trade name: **EB18 Extraction Buffer Concentrate**
Part number: 11930 (10X EB18)

1.2 Relevant identified uses of the substance or mixture and uses advised against application of the substance / the preparation :
Laboratory chemicals

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier: EnviroLogix Inc, 500 Riverside Industrial Pkwy,
Portland ME 04103, USA
(207) 797-0300
207-797-0300 (Technical Service)

1.4 Emergency telephone number:

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture Classification according to 29CFR 1910.1200:	Hazard Classes H319	Hazard Statements Eye irritant 2A
2.2 Label elements Labeling according to 29CFR 1910.1200 : Hazard pictograms :		
Signal word :	Warning	
Hazard statements:	H319	
Precautionary statements:	P305+ P351+P338	IF IN EYES: Rinse cautiously with water for several Minutes. Remove contact lenses if present and easy to do. Continue rinsing.
2.3 Other Statements	None	

SECTION 3. Composition/information on ingredients

3.2 Mixture	Aqueous solution			
	Chemical name	CAS No	EC No	Amount (%)
	Sodium Carbonate, Anhydrous	497-19-8	207-838-8	5% - 10%

SECTION 4. First aid measures

4.1 Description of first aid measures

In case of inhalation. Remove to fresh air. If not breathing give artificial respiration.

In case of skin contact. Remove contaminated clothing and shoes immediately. Wash affected area with mild soap or detergent for at least 10 minutes or until no evidence of chemical remains.

In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Lifting eyelids occasionally, until no evidence of chemical remains. Call a physician.

In case of ingestion. DO NOT Induce vomiting unless directed to do so by medical personnel. Call a physician immediately.

4.2 Information for doctor
May cause skin irritation and serious eye irritation

4.3 Indication of any immediate medical attention and Special treatment needed:
None

SECTION 5. Firefighting measures

5.1 Extinguishing media	CO ₂ , extinguishing powder or water spray. Use extinguishing media appropriate to surroundings and circumstances
5.2 Special hazards arising from the substance or mixture :	Oxides of Carbon and Sodium
5.2 Advice for firefighters	Do not enter fire area without proper protective equipment, including respiratory protection

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:	In the case of spilled mixture wear safety gloves to prevent skin contact. In the case of a large spill, addition inhalation protection is recommended. Do not discharge mixture to sewer system or waterways.
6.2 Environmental precautions:	
6.3 Methods and material for containment and Clean up:	Small spills absorb in paper towel and discard in appropriate waste. Clean with water afterwards. Large spills absorb with inert solids such as clay. Dispose according to section 13. For safe handling, refer to Section 7; for information on PPE refer to Section 8; for disposal information, refer to Section 13.
6.4 Reference to Other Sections:	

SECTION 7. Handling and storage

7.1 Precautions for safe handling:	Practice good chemical hygiene when handling. Avoid contact with eyes, skin, and clothing.
7.2 Conditions for safe storage, including any incompatibilities	Keep container tightly closed in a dry and well-ventilated space.
7.3 Specific end use(s)	Apart from those mentioned in Section 1.2, no other specific end uses are stipulated.

SECTION 8. Exposure controls/personal protection

8.1 Control Parameters Components with limit values that require monitoring of the workplace:	None
8.2 Exposure Controls	
Engineering Controls	Utilize general industrial hygiene practice
Personal protective equipment	Safety glasses with side shields, goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Eye and face protection regulations are described by OSHA (US) in 29CFR1910.133. Do not wear contact lenses when working with chemicals 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 product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Appropriate respiratory protection should be determined according to local conditions using risk analysis protocols. An approved disposable air purifying particulate respirator may be used as a backup to engineering controls. Always use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Environmental Controls	Contain spills, do not release to the environment.

SECTION 9. Physical and chemical properties**9.1 Information on Physical and Chemical properties:**

a) Form:	Clear liquid
b) Oder	None
c) Color:	Colorless
d) pH:	11.1
e) Melting point/Melting range:	Not Applicable
f) Boiling point/Boiling range:	No Data Available.
g) Flash point:	Not applicable.
h) Evaporation rate	No Data Available
i) Flammability (solid, gas)	Product is not flammable.
j) Upper/lower flammability or explosive limits	No Data Available
k) Vapor pressure	No Data Available
l) Vapor Density	No Data Available
m) Relative density	No Data Available
n) Water solubility	Fully miscible.
o) Partition coefficient: n-octanol/water	No Data Available
p) Auto-ignition temperature	No Data Available
q) Decomposition temperature	No Data Available
r) Viscosity	No Data Available
s) Explosive properties	No Data Available
t) Oxidizing properties	No Data Available

9.2 Other information: No further relevant information available.

SECTION 10. Stability and reactivity

10.1 Reactivity:	No data available
10.2 Chemical stability:	Stable under recommended storage conditions
10.3 Possibility of hazardous reactions:	No data available
10.4 Conditions to avoid:	No data available
10.5 Incompatible materials	Strong acids, Aluminum
10.6 Hazardous decomposition products:	No data available; in the event of a fire see section 5

SECTION 11. Toxicological information

11.1 Information on toxicological effects	
Acute effects (toxicity tests):	Not classified Sodium Carbonate, Anhydrous (497-19-8) LD50 oral rat; 4090 mg/kg
Skin corrosion/irritation: Serious eye damage/irritation	Causes skin irritation Causes eye irritation
Sensitization skin, respiratory:	None known
Additional toxicological information:	CMR (carcinogenity, mutagenicity and toxicity for reproduction) – No Data Available

SECTION 12. Ecological information

12.1 Toxicity	No data available
12.2 Persistence and degradability :	No data available
12.3 Bio accumulative potential :	No data available
12.4 Mobility in soil :	No data available
12.5 Results of PBT and vPvB assessment:	Not carried out
12.6 Other adverse effects:	No data available

SECTION 13. Disposal considerations

13.1 Waste treatment methods: Hand over to hazardous waste disposers.
 Follow federal, state and local regulations for discharge for waste control regulations. US EPA guidelines for waste classification determination is listed in 40 CFR part 261.3.
 Follow European Directive on waste, 2008/98/EC.

Uncleaned packagings: Disposal must be in accordance with official regulations.

SECTION 14. Transport information

14.1 UN-Number DOT, ADR, ADN, IMDG, IATA : Not dangerous goods
14.2 UN Proper Shipping Name Not dangerous good
14.3 Transport hazard class(es) Not dangerous goods
14.4 Packing Group Not dangerous goods
14.5 Environmental hazards Avoid release into the environment.
14.6 Special precautions for user None
14.7 Transport in bulk according to Annex II of MARPOL 73/78
And the IBC code: Not applicable

SECTION 15. Regulatory information

15.1 US Federal Regulations
 TSCA Sodium Carbonate, anhydrous (497-19-8) is listed on the TSCA inventory.
 SARA Section 302 (Extremely Hazardous Substances) No chemicals in this material are subject to requirements of SARA Title III, Section 302

15.2 US State Regulations
Massachusetts; no components subject to right to know act
Pennsylvania, New Jersey right to know components; Sodium Carbonate

15.3 European/International Regulations
 Not classified according to EC No.1272/2008 or directive 67/548EEC or 1999/45/EC.

Canada – DSL/NDSL Sodium Carbonate (497-19-8) listed on DSL inventory
Canada – WHMIS WHMIS classification of Class D Division 2 Subdivision B – toxic material causing other toxic effects

SECTION 16. Other information

This information is based on our present knowledge. However, EnviroLogix makes no representation of its accuracy or completeness. Persons receiving this information must exercise their independent judgment in determining the product's safety and suitability for its intended use. This document shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship

Environmental Health and Safety Department

Codes:

H319 Causes serious eye irritation

P305+P351+P338 If in eyes: rinse cautiously with water for several minutes Remove contact lenses, if present and easy to do Continue Rinsing.