Safety Data Sheet
According to 29CFR1910.1200

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 (Technical Service)

1.4 Emergency telephone number:
   207-797-0300

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 :
     ![Hazard Pictogram]
   - 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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No</th>
<th>EC No</th>
<th>Amount (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Carbonate, Anhydrous</td>
<td>497-19-8</td>
<td>207-838-8</td>
<td>5% - 10%</td>
</tr>
</tbody>
</table>

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
CO₂, 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.

6.2 Environmental precautions:
Do not discharge mixture to sewer system or waterways.

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.

6.4 Reference to Other Sections:
For safe handling, refer to Section 7; for information on PPE refer to Section 8; for disposal information, refer to Section 13.

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) Odor: 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
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: Causes skin irritation
   Serious eye damage/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


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.