

Safety data sheet

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

1.1 Product identifier

Trade name: EB18 Extraction Buffer 10X

Part number: 11930 (KR 270)

Synonyms:

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

Laboratory chemicals; kit component; not to be used for purposes other than those specified in product literature.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: EnviroLogix Inc., 500 Riverside Industrial Pkwy.
 Portland ME 04103, USA
 Tele: (207)-797-0300

1.4 Emergency telephone number: (207) 797-0300 Technical Service

SECTION 2. Hazards identification.

2.1 Classification of the substance or mixture

Hazard Classes

Classification according to OSHA 29CFR 1910.1200: Not Classified

2.2 Label elements

Labeling according to OSHA 29CFR 1910.1200

Hazard pictograms : None

Signal word : None

Hazard statements: None

Precautionary statements: None

2.3 Other Hazards

None

SECTION 3. Composition/information on ingredients.

3.2 Mixture	Ingredients	EC Number	CAS Number	Classification	Concentration % w/w
	Sodium Carbonate	207-838-8	497-19-8	Eye irritation 2 (H319)	5.0 - 10.0

SECTION 4. First aid measures.

4.1 Description of first aid measures

After inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
After skin contact	Flush skin with water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse.
After eye contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation develops.
After swallowing	Do NOT induce vomiting unless directed to do so by medical personnel. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed:

May cause slight skin or eye irritation

4.3 Recommendation of any immediate medical Attention or special treatment needed:

None

SECTION 5. Firefighting measures.

5.1 Extinguishing media:

Use extinguishing measures suitable for local circumstances and the surrounding environment

5.2 Special hazards arising from the substance or mixture :

None

5.3 Advice for firefighters:

Wear protective equipment suitable for fire conditions, including respiratory protective gear.

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, additional 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:

Absorb in paper towel and discard in appropriate waste. Clean with water afterwards.

6.4 References 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:

Store kits in original packaging in well ventilated areas away from heat.

7.3 Specific end use(s):

Apart from those specified in Section 1.2, no other specific uses are stipulated.

SECTION 8. Exposure controls/personal protection.

8.1 Control Parameters

Components with limit values that require monitoring at the workplace:

None

8.2 Exposure controls

8.2.1 Engineering Controls:

No specific recommendations, use in well ventilated areas

8.2.2 Recommendations for PPE:

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).

8.2.3 Environmental Controls:

Contain spills, do not release to the environment.

SECTION 9. Physical and chemical properties.

9.1 Information on basic physical and chemical properties (Stop Solution):

a) Appearance:	Clear liquid, colorless to slight yellow.
b) Odor:	None
c) Odor Threshold:	No Data Available
d) pH:	No Data Available
e) Melting point/freezing point:	No Data Available
f) Boiling point/Boiling range:	No Data Available.
g) Flash point:	Not Data Available.
h) Evaporation rate:	No Data Available
i) Flammability (solid, gaseous):	Not Data Available
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) Solubility(ies):	Fully miscible, water.
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 normal temperatures and pressures.
10.3 Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid:	No specific data
10.5 Incompatible materials:	No Data Available
10.6 Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decompositions products should not be produced.

SECTION 11. Toxicological information.

The toxicological properties of this product have not been investigated

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.

Hand over to hazardous waste disposers.

Follow federal, state and local regulations 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.

SECTION 14. Transport information.

14.1 UN-Number:	Non-regulated, non-hazardous for transport
14.2 UN proper shipping name:	Non-regulated, non-hazardous for transport
14.3 Transport hazard class(es):	Non-regulated, non-hazardous for transport
14.4 Packing group:	Non-regulated, non-hazardous for transport.
14.5 Environmental hazards:	None
14.6 Special precautions for user :	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Co	Not applicable

SECTION 15. Regulatory information.

15.1 Safety, health, and environmental regulations

US Federal Regulations

OSHA

SARA 313

Not a hazardous material

Not listed

US State Regulations

European/International Regulations

European labeling in accordance with EC Directives

Not hazardous according to European directives

15.2 Chemical Safety Assessment

Not carried out

SECTION 16. Other information.

This information is true 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.

EnviroLogix Inc.
EHS Department

Codes:

H319 Causes serious eye irritation