

EXTRACTION CONCENTRATE

Product number: 131023



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name EXTRACTION CONCENTRATE
Product number 131023
Revision date 20-Feb-2008
Company information Brulin & Company, Inc.
P.O. Box 270
Indianapolis, IN 46206 US
www.Brulin.com
Emergency CHEMTREC 1-800-424-9300
General information Phone: 317-923-3211
Fax: 317-925-4596

2. Hazards Identification

Emergency overview DANGER
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. May cause severe irritation or burns to the eyes, skin, gastrointestinal tract, and respiratory system.

Potential short term health effects

- Eyes** Contact will irritate or burn eyes. Risk of serious damage to eyes. Avoid contact with eyes.
- Skin** Contact will irritate or burn skin.
- Inhalation** Causes respiratory tract irritation.
- Ingestion** Do not ingest. Irritating to mouth, throat, and stomach.

3. Composition / Information on Ingredients

Hazardous component(s)	CAS #	Percent
Sodium metasilicate	6834-92-0	< 10

4. First Aid Measures

First aid procedures

- Eye contact** After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.
- Skin contact** Wash with soap and water. Launder contaminated clothing before reuse. Get medical attention if irritation develops or persists.
- Inhalation** Move to fresh air. Oxygen or artificial respiration if needed. Get medical attention immediately.
- Ingestion** Do not induce vomiting without medical advice. Give several glasses of water to dilute contents of stomach and call a physician. Never give anything by mouth to a victim who is unconscious or is having convulsions.

General advice In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5. Fire Fighting Measures

Flammable properties None known.

Extinguishing media

- Suitable extinguishing media** Dry chemical, CO2, water spray or regular foam.

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6. Accidental Release Measures

Personal precautions	Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Methods for containment	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

7. Handling and Storage

Handling	Do not get this material in your eyes, on your skin, or on your clothing. Do not breathe gas/fumes/vapor/spray.
Storage	Keep container tightly closed. Keep at temperatures between 4 and 49°C.

8. Exposure Controls / Personal Protection

Personal protective equipment	
Eye / face protection	Wear chemical goggles. Safety glasses. or Face-shield.
Skin protection	Protective gloves.
Respiratory protection	Not normally needed. A NIOSH- approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance	Not available
Color	Colourless to light yellow
Form	Liquid.
Odor	mild
Odor threshold	Not available
pH	13.6
Freezing point	Not available
Boiling point	212 °F
Flash point	> 212 Pensky-Martens Closed Cup
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	1.26
Solubility (H2O)	100 %
VOC (Weight %)	0 %

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions to avoid	Do not freeze.
Incompatible materials	Strong oxidizing agents. and acids
Hazardous decomposition products	Carbon monoxide and carbon dioxide.
Possibility of hazardous reactions	Will not occur.

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11. Toxicological Information

Acute effects Acute LD50: 11215 mg/kg estimated, Rat, Oral
Acute LD50: 22481 mg/kg estimated, Rat, Dermal

12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental concerns.

13. Disposal Considerations

Waste codes D002: Waste Corrosive material [pH \leq 2 or \geq 12.5, or corrosive to steel]
Disposal instructions Dispose in accordance with all applicable regulations. This material and its container must be disposed of as hazardous waste.

14. Transport Information

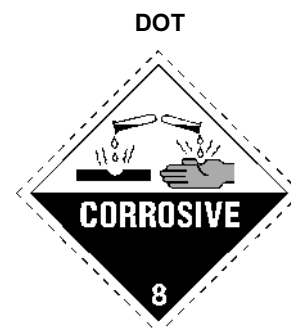
Department of Transportation (DOT) Requirements

Basic shipping requirements:

Proper shipping name Corrosive liquid, basic, inorganic, n.o.s. (SODIUM METASILICATE)
Hazard class 8
UN number UN3266
Packaging group III

Additional information:

Special provisions IB3, T7, TP1, TP28
Packaging exceptions 154
Packaging non bulk 203
Packaging bulk 241
ERG number 154



Department of Transportation (DOT) Requirements NON-BULK

Basic shipping requirements:

Proper shipping name Corrosive liquid, basic, inorganic, n.o.s. (SODIUM METASILICATE)
Hazard class 8
UN number UN3266
Packaging group III

Additional information:

Special provisions IB3, T7, TP1, TP28
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Packaging non bulk 203
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IATA

Basic shipping requirements:

Proper shipping name Corrosive liquid, basic, inorganic, n.o.s. (EXTRACTION CONCENTRATE)
Hazard class 8
UN number UN3266
Packaging group III

Additional information:

Packaging exceptions 154



IMDG

Basic shipping requirements:

Proper shipping name CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM METASILICATE)
Hazard class 8
UN number UN3266
Packaging group III

Additional information:

Packaging exceptions 154



15. Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
CERCLA/SARA Hazardous Substances - Not applicable.

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

International regulations The product is classified and labelled in accordance with EC directives or respective national laws.

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

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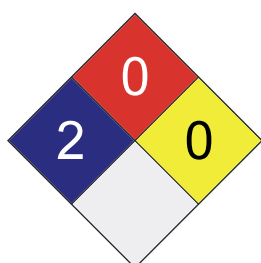
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16. Other Information

HMIS rating

Health	/ 2
Flammability	0
Physical Hazard	0
Personal Protection	B

NFPA codes



Prepared date

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Superseded date

09-Jan-2006 09:11:58

Disclaimer

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