



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name CLEAN 'N PREP
Product number 192006
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
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2. Hazards Identification

Emergency overview This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Potential short term health effects
Eyes Contact with eyes may cause irritation.
Skin Prolonged and/or repeated skin contact may result in mild irritation or redness.
Ingestion May cause temporary irritation of the throat, stomach, and gastrointestinal tract.

3. Composition / Information on Ingredients

Hazardous component(s)	CAS #	Percent
Ethanolamine	141-43-5	< 2.5
Sodium metasilicate	6834-92-0	< 2.5
Sodium Tripolyphosphate	7758-29-4	< 10

4. First Aid Measures

First aid procedures
Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.
Skin contact Wash off with soap and water. Launder contaminated clothing before reuse.
Inhalation Move to fresh air.
Ingestion Drink 1 or 2 glasses of water. Call a physician immediately.
Notes to physician Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
General advice If you feel unwell, seek medical advice (show the label where possible).

5. Fire Fighting Measures

Flammable properties None known.
Extinguishing media
Suitable extinguishing media Use methods for the surrounding fire.

6. Accidental Release Measures

Personal precautions Do not touch or walk through spilled material.
Environmental precautions Prevent further leakage or spillage if safe to do so.
Methods for cleaning up Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

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7. Handling and Storage

Handling	Do not get this material in your eyes, on your skin, or on your clothing.
Storage	Keep at temperatures between 4 and 38°C.

8. Exposure Controls / Personal Protection

Exposure guidelines

ACGIH - Threshold Limits Values - Short Term Exposure Limits (TLV-STEL)

Ethanolamine	141-43-5	6 Ppm STEL
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ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)

Ethanolamine	141-43-5	3 Ppm TWA
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ACGIH - Threshold Limits Values - TLV Basis - Critical Effects

Ethanolamine	141-43-5	eye and skin irritation
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U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)

Ethanolamine	141-43-5	3 Ppm TWA; 6 mg/m3 TWA
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Personal protective equipment

Eye / face protection	Safety glasses.
Skin protection	Not normally needed. Wear impervious gloves for prolonged contact.
Respiratory protection	No personal respiratory protective equipment normally required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance	liquid
Color	pink
Form	liquid
Odor	citrus
Odor threshold	Not available
pH	11.8 - 12.2
Freezing point	Not available
Boiling point	212 °F
Flash point	> 212 °F Pensky-Martens Closed Cup
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	17 Mm Hg @68°F
Vapor density	0.6
Specific gravity	1.094
Solubility (H2O)	100 %
VOC (Weight %)	0.6 %

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions to avoid	Do not freeze.
Incompatible materials	Powerful oxidizers. Strong acids.
Hazardous decomposition products	Carbon monoxide and carbon dioxide. and Nitrogen oxides (NOx).
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Acute effects	Acute LD50: 22655 mg/kg, Rat, Oral Eye irritation
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Further information

This product has no known adverse effect on human health.

12. Ecological Information

Ecotoxicity

This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

13. Disposal Considerations

Disposal instructions

Dispose in accordance with all applicable regulations. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

14. Transport Information

Department of Transportation (DOT) Requirements

Not regulated as dangerous goods.

Department of Transportation (DOT) Requirements NON-BULK

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory Information

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

SUDSDOWN: 152440.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - Yes
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.

CLEAN 'N PREP

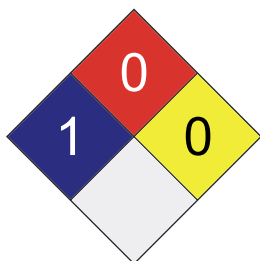
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16. Other Information

HMIS rating

Health	/	1
Flammability		0
Physical Hazard		0
Personal Protection		B

NFPA codes



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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.