



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name	CLEAN 'N PREP
Product number	192006
Revision date	12-Jun-2006
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	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.

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

ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)

Ethanolamine 141-43-5 3 Ppm TWA

ACGIH - Threshold Limits Values - TLV Basis - Critical Effects

Ethanolamine 141-43-5 irritation

OSHA - Final PELs - Time Weighted Averages (TWAs)

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

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
Clarity	Not available
Color	pink
Form	liquid
Odor	citrus
Odor threshold	Not available
Physical state	Liquid
pH	11.8 - 12.2
Melting point	30 °F
Freezing point	Not available
Boiling point	212 °F
Flash point	> 212 °F Pensky-Martens Closed Cup
Evaporation rate	1
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
Relative density	Not available
Solubility (H2O)	100 %
Octanol/H2O coeff	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
VOC (Weight %)	0.6 %

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions to avoid	Do not freeze.

CLEAN 'N PREP

Product number: 192006

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
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.
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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.
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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.
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CLEAN 'N PREP

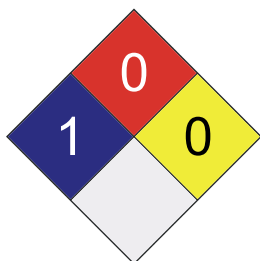
Product number: 192006

16. Other Information

HMIS rating

Health	/ 1
Flammability	0
Physical Hazard	0
Personal Protection	B

NFPA codes



Prepared date

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Superseded date

09-Jan-2006 12:30:23

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.

MSDS sections updated

Hazards Identification: Main symptoms
Fire Fighting Measures: Suitable extinguishing media
Fire Fighting Measures: Fire fighting equipment/instructions
Accidental Release Measures: Evacuation procedures
Accidental Release Measures: Containment procedures
Accidental Release Measures: Personal precautions
Accidental Release Measures: Environmental precautions
Accidental Release Measures: Methods for cleaning up
Chemical Stability & Reactivity Information: Conditions to avoid
Chemical Stability & Reactivity Information: Hazardous decomposition products
Chemical Stability & Reactivity Information: Hazardous polymerization
Ecological Information: Ecotoxicity
Disposal Considerations: Disposal instructions
Regulatory Information: US Federal Regulations