



Revision Date: 05/07/2003

Print date: 06/24/2003

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite® Natural Blue® Biodegradable Cleaner Degreaser
Item number: 82249
Product type: Cleaner
Region: United States
Company address:
 Henkel Loctite Corporation
 1001 Trout Brook Crossing
 Rocky Hill, Connecticut 06067
 Telephone: (860) 571-5100
 Emergency telephone: (860) 571-5100

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
MEA oleate 2272-11-9	1-5	None	None	None
Propylene glycol monomethyl ether 107-98-2	1-5	100 ppm TWA 150 ppm STEL	None	None
Tetrasodium ethylenediamine tetraacetate 64-02-8	1-5	None	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid		HEALTH:		1
Color: Blue		FLAMMABILITY:		0
Odor: Pine		PHYSICAL HAZARD:		0
		Personal Protection:		See Section 8

WARNING: MAY CAUSE EYE AND SKIN IRRITATION.

Relevant routes of exposure: Eye contact, Skin contact, Ingestion

Potential Health Effects

Inhalation: Not a relevant route of exposure.
Skin contact: Irritating to skin.
Eye contact: May cause irritation.
Ingestion: Ingestion may cause stomach ache and vomiting.

Existing conditions aggravated by exposure: None known

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Not hazardous by inhalation
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Wash clothing before reuse. Get medical attention if symptoms develop and persist.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion:	Do not induce vomiting. Rinse mouth. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention if symptoms develop and persist.
Notes to physician:	None.

5. FIRE-FIGHTING MEASURES

Flash point:	Does not ignite.
Autoignition temperature:	Not applicable
Flammable/Explosive limits-lower %:	Not applicable
Flammable/Explosive limits-upper %:	Not applicable
Extinguishing media:	Use media appropriate for surrounding material.
Special fire fighting procedures:	None
Unusual fire or explosion hazards:	None
Hazardous combustion products:	None known.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	None known
Clean-up methods:	Soak up with inert absorbent. Flush with water.

7. HANDLING AND STORAGE

Handling:	Avoid contact with skin and eyes.
Storage:	No special procedures.
Incompatible products:	None.

For information on product shelf life contact Henkel Loctite Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.
Respiratory protection:	Not applicable
Skin protection:	Chemical resistant, impermeable gloves.

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Eye/face protection: Chemical splash goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: Blue
Odor: Pine
Vapor pressure: Not available
pH: 10.6
Boiling point/range: Greater than 100°C (212°F)
Melting point/range: Not available
Specific gravity: 1.0
Vapor density: Not available
Evaporation rate: Faster than ether
Solubility in water: Soluble
Partition coefficient (n-octanol/water): Not available
VOC content: Not available

10. STABILITY AND REACTIVITY

Stability: Stable.
Hazardous polymerization: Will not occur.
Hazardous decomposition products: None
Incompatibility: None known.
Conditions to avoid: None known.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
MEA oleate	No	No	No
Propylene glycol monomethyl ether	No	No	No
Tetrasodium ethylenediamine tetraacetate	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
MEA oleate	No Target Organs
Propylene glycol monomethyl ether	Central nervous system, Irritant, Developmental
Tetrasodium ethylenediamine tetraacetate	Irritant

12. ECOLOGICAL INFORMATION

Ecological information: Not applicable

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

EPA hazardous waste number: Not available

14. TRANSPORT INFORMATION

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

U.S. Department of Transportation Ground (49 CFR):

Proper shipping name: Unrestricted
Hazard class or division: None
Identification number: None
Packing group: None
Marine pollutant: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Unrestricted
Hazard class or division: None
Identification number: None
Packing group: None

Water Transportation (IMO/IMDG):

Proper shipping name: Unrestricted
Hazard class or division: None
Identification number: None
Packing group: None
Marine pollutant: None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification: None.

CERCLA/SARA Section 302 EHS: None.
CERCLA/SARA Section 311/312: Immediate Health Hazard
CERCLA/SARA 313: None.

California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Domestic Substances List.
WHMIS hazard class: D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections:
New Material Safety Data Sheet format.

Prepared by: Rajal Dhruva, Health and Regulatory Affairs Specialist

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