

MATERIAL SAFETY DATA SHEET

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PRODUCT IDENTIFICATION

Product Name: Natural Blue(R) Cleaner and Degreaser
 Item No.: 82244
 Product Type: Cleaner
 Formula No.: Does not apply

II. COMPOSITION

Ingredients	CAS No.	%
PROPYLENE GLYCOL MONOMETHYL ETHER	107-98-2	5-10
Amine soap	2272-11-9	1-5

This product contains no other component required to be listed as hazardous by the Hazard Communication Standard 29 CFR 1910.1200 nor does it contain any component required to be listed as a SARA Section 313 Toxic Chemical.

III. CHEMICAL AND PHYSICAL PROPERTIES

Vapor Pressure: 18 mm Hg. at 68-F
 Vapor Density: 19 grams per cubic meter at 72-F
 Solubility in Water: 100%
 Specific Gravity: 1.02
 Boiling Point: More than 212-F
 Volatile Organic Compound (EPA Method 24) 7.8%; 80 grams per liter of material for concentrate
 3.9%; 39 grams per liter diluted 1:1 (estimated).
 0.24%; 0.24 grams per liter diluted 1:32 (estimated).
 0.060%; 0.60 grams per liter diluted 1:128 (estimated).
~~28.9%; 298 grams per liter less water~~
 Evaporation Rate (Ether = 1) More than 1
 pH: 10.6 for concentrate
 10.6 diluted 1:1
 10.1 diluted 1:32
 9.7 diluted 1:128
 Appearance: Blue liquid
 Odor: Pine

IV. FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flash Point: None
 Estimated NFPA Code:
 Health Hazard: 1
 Fire Hazard: 0
 Reactivity Hazard: 0
 Specific Hazard: Does not apply
 Estimated HMIS Code:
 Health Hazard: 1
 Flammability Hazard: 0
 Reactivity Hazard: 0
 Personal Protection: See Section X.
 Explosive Limits:
 (% by volume in air) Lower Does not apply
 (% by volume in air) Upper Does not apply
 Recommended
 Extinguishing Agents: None normally needed.
 Hazardous Products Formed by Fire or Thermal Decomposition: Irritating organic vapors
 usual Fire or
 Explosion Hazards: None
 Compressed Gases: None
 Pressure at Room Temp.: Does not apply

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V. SPILL OR LEAK AND DISPOSAL PROCEDURES

Steps to be taken in case of spill or leak: Dike or dam large spills. Pump to containers or soak up on an inert absorbent.

Recommended methods of disposal: All components of this product are compatible with biological treatment. This product can be flushed to sanitary sewers. Consult with state and local authorities for any restrictions on disposal of chemical waste.

VI. STORAGE AND HANDLING PROCEDURES

Storage: No special procedures.
Handling: Avoid prolonged skin contact. Keep away from eyes.

VII. SHIPPING REGULATIONS

DOT (49 CFR 172)
Domestic Ground Transport
Proper Shipping Name: Unrestricted
Hazard Class or Division: Unrestricted
Identification Number: None
Marine Pollutant: None

IATA
Proper Shipping Name: Unrestricted
Class or Division: Unrestricted
UN or ID Number: None

VIII. REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: Will not occur.
Hazardous Decomposition Products (non-thermal): None
Incompatibility: None

IX. EMERGENCY TREATMENT PROCEDURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.

Inhalation: Does not apply

Skin Contact: Flush with water. Then wash with soap and water.

Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

X. PERSONAL PROTECTION

Eyes: FOR CONCENTRATE
Chemical splash goggles. A face shield over the goggles should be used for severe or continued exposure.
FOR USE SOLUTIONS
No requirements beyond standard industrial hygiene practices.

Skin: FOR CONCENTRATE
Rubber gloves, preferably with protective cuff or gauntlet.
FOR USE SOLUTIONS
No requirements beyond standard industrial hygiene practices.

Ventilation: Sufficient to maintain vapor concentration below TLV

HEALTH HAZARD DATA

Toxicity: Eye irritant. Mild skin irritant.
Oral LD50 more than 5000 mg/kg.
Dermal LD 50 more than 2000 mg/kg.

Primary Routes of Entry: None known

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XI. HEALTH HAZARD DATA (continued)

Signs and Symptoms of Exposure: Irritation of eyes or skin; stomach distress, nausea, or vomiting if swallowed.

Existing Conditions Aggravated by Exposure: None known

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
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PROPYLENE GLYCOL MONOMETHYL ETHER	100 ppm TWA	100 ppm TWA	None
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Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	
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Ingredients for which no Exposure Limits have been established are not listed above.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
PROPYLENE GLYCOL MONOMETHYL ETHER Amine soap	DEV GIT IRR NER BLO KID	NO NO	NO NO	NO NO

Abbreviations

Blood	DEV Developmental
GIT Gastrointestinal tract	IRR Irritant
KID Kidney	NER Nervous System

XII. PREPARATION INFORMATION

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