



MATERIAL SAFETY DATA SHEET

HAZARD RATINGS

Health:	3
Flammability:	2
Reactivity:	0
Personal Protection:	B

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires MSDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

SECTION I. PRODUCT IDENTIFICATION

Product Identifier: Pro Clean
Product VOC: 1058.8 g/L (98%)
Manufactured For: Sundry Tech
P.O. Box 427
Frederick, PA 19435

Product Identification #(PIF): 1474
Emergency Telephone #: 610-754-7283
General Information #: 610-754-7283
Prepared by: Sonya Lockhart
Date Prepared: September 30, 2002
Reviewed by: Jim Archer 11/6/03

SECTION II. HAZARDOUS INGREDIENTS

	CAS #	OSHA/PEL	TLV	STEL	max. %
Tetrahydrofurfuryl alcohol	97-99-4	NE	NE	NE	10
Monoethanolamine	141-43-5	3 ppm	3 ppm	6 ppm	5

SECTION III. HEALTH HAZARD INFORMATION

.....Primary Routes of Entry: X Skin X Eyes Inhalation Ingestion

◆ *Effects of overexposure:*

- Eye Contact: Can cause moderate irritation and transient corneal injury.
- Skin Contact: Can cause moderate irritation.
- Inhalation: High concentration exposure may cause damage to the CNS, lungs and kidneys.
- Ingestion: May cause irritation to the entire gastrointestinal tract. May cause CNS depression.

SECTION IV. EMERGENCY FIRST AID

- ◆ *Eyes:* Flush well with water for at least 15 minutes. Get medical attention immediately.
- ◆ *Skin:* Wash with soap and water. If irritation persists, get medical attention.
- ◆ *Inhalation:* Move to fresh air.
- ◆ *Ingestion:* Drink lots of water to dilute and induce vomiting. Get medical help.

SECTION V. FIRE & EXPLOSION DATA

Flammability: COMBUSTIBLE

Means of extinction: Water spray, dry chemicals, CO₂.

Autoignition Temperature: ND

Hazardous combustion products: Carbon oxides, ammonia and oxides of nitrogen.

Flash Point: 164° F

Upper Flammability Limit (% by volume): ND

Lower Flammability Limit (% by volume): ND

◆ *Special Fire Fighting Procedures:* NIOSH approved positive pressure self-contained breathing apparatus and turnout gear.

◆ *Unusual Fire Fighting Hazard:* Water may be ineffective, but should be used to keep fire-exposed containers cool.

SECTION VI. REACTIVITY DATA

Chemical stability: Stable

Hazardous polymerization: Will not occur.

Incompatibility with other substances: Oxidizers, acids and metals.

Conditions to avoid: Avoid contact with strong oxidizers, excessive heat, sparks or open flame.

Hazardous decomposition products: Carbon oxides, ammonia and oxides of nitrogen.

SECTION VII.**HANDLING & STORAGE**

Storage: Keep container closed, when not in use. Keep away from heat, flame, or sunlight. Protect from physical damage.

Handling: Do not premix with other chemicals. Exercise reasonable care and precaution.

SECTION VIII.**EXPOSURE CONTROL/PERSONAL PROTECTION**

Personal protective equipment: NA

Gloves (specify): Chemical resistant gloves

Eye (specify): Safety glasses

Clothing (specify): Normal materials handling clothing

Respirator (specify): NIOSH if poor ventilation

Footwear (specify): Chemical resistant shoes

Other: Eyewash and emergency shower nearby

SECTION IX.**SPECIAL PRECAUTIONS/ OTHER COMMENTS**

Carefully read all instructions on label before handling this product. "FOR INDUSTRIAL USE ONLY"

SECTION X.**PHYSICAL DATA**

Boiling point: >212°F

Specific Gravity, (water + 1.0): 1.080

% Volatile/ volume: 98%

Solubility: Dispersible

Description/odor: Clear/tinted liquid with cherry odor.

Vapor Density: (Air = 1): ND

pH, Neat: NA

Vapor Pressure: ND

Evaporation Rate: Slower than butyl acetate

SECTION XI.**TOXICOLOGICAL INFORMATION**

◆ Effects of acute exposure to product: Can cause moderate eye irritation and transient corneal injury.

◆ Effects of chronic exposure to product: Can cause moderate irritation to skin.

SECTION XII.**ECOLOGICAL INFORMATION**

NOT DETERMINED.....

SECTION XIII.**ACCIDENTAL RELEASE MEASURES/ DISPOSAL INFORMATION**

Large spills cannot occur because of packaging. Eliminate all ignition sources. Material should be soaked onto absorbent and shoveled into waste containers. Dispose of contaminated absorbent material in accordance to local, state and federal regulations. Do not release to open, public waters.

SECTION XIV.**TRANSPORT INFORMATION**

Hazardous according to Table 49 CFR 172.101: **CORROSIVE LIQUID, N.O.S., (Ethanolamine), 8, UN1760, III.**

SECTION XV.**REGULATORY INFORMATION****SARA TITLE II REPORTING REQUIREMENTS**

SECTION 302: Not listed

SECTION 311: Immediate Health, Fire Hazard

SECTION 312: Immediate Health, Fire Hazard

SECTION 313: Listed (Diethanolamine)

CERCLA: This product has a RQ of 1,176,471 lb (534,1178 kg) as Diethanolamine.

RCRA: A waste containing this product may have the RCRA hazardous waste no. D002 (Corrosive) (40 CFR 261.22) and D001 (Ignitable) (40 CFR 261.22).

SECTION XVI.

ADDITIONAL INFORMATION

OSHA List (29 FR 1910.1200) as hazardous chemical.

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.
SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)-
INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM
(NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS,
OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91,
173.310.