

3M General Offices
 3M Center
 St. Paul, Minnesota 55144-1000
 612/733-1110

00-14
 979

**MATERIAL SAFETY
 DATA SHEET**



DIVISION: ROHE AND COMMERCIAL CARE DIVISION
 TRADE NAME:
 3M Brand General Purpose Cleaner Concentrate

3M I.D. NUMBER: 70-0705-4693-5 70-0705-4694-3

ISSUED: OCTOBER 14, 1993
 SUPERSEDES: OCTOBER 12, 1993
 DOCUMENT: 06-2098-9

1. INGREDIENT

INGREDIENT	C.A.S. NO.	PERCENT
WATER	7732-18-5	30
HYDROXYALKYL AMINE OXIDES	68478-65-9	30
ISOPROPYL ALCOHOL	67-63-0	5
2-ETHYL-HEXYLOXYETHANOL	1559-35-9	5

NOTE: IN CASE OF EMERGENCY, THE NUMBER AT THE TOP OF THIS PAGE PROVIDES 24 HOUR RESPONSE FROM ANY PHONE FOR ALL EMERGENCIES WITH THIS PRODUCT.

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:
 2-ETHYL-HEXYLOXYETHANOL

2. PHYSICAL DATA

BOILING POINT:	N/D
VAPOR PRESSURE:	N/D
VAPOR DENSITY:	N/D
EVAPORATION RATE:	N/D
SOLUBILITY IN WATER:	complete
SP. GRAVITY:	ca. 1.0 Water = 1
PERCENT VOLATILE:	ca. 75 %
VOLATILE ORGANICS:	ca. 15 %
VOC LESS H ₂ O & XENON SOLVENT	ca. 15 %
pH:	ca. 8
VISCOSITY:	< 100 CPS
MELTING POINT:	N/D
APPEARANCE AND COLOR:	Liquid, N/D
SMELL:	citrus fragrance

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	ca. 102 F
FLAMMABLE LIMITS - LEL:	N/D
FLAMMABLE LIMITS - UEL:	N/D
AUTOIGNITION TEMPERATURE:	N/D
EXTINGUISHING MEDIA:	Water, Carbon dioxide, Dry powder, Foam
SPECIAL FIRE FIGHTING PROCEDURES:	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, bunker coat and pants, hands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	See Hazardous Decomposition section for products of combustion. Closed containers exposed to heat from fire may build pressure and

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

explodes.
 NFPA-HAZARD-CODES: HEALTH 2 FIRE 2 REACTIVITY 0
 UNUSUAL REACTION HAZARD: none
 OSHA FIRE HAZARD CLASS: Class II Combustible Liquid

4. REACTIVITY DATA

STABILITY: Stable
 INCOMPATIBILITIES - MATERIALS TO AVOID:
 CHLORINE
 HAZARDOUS POLYMERIZING AGENTS
 HAZARDOUS DECOMPOSITION PRODUCTS:
 Carbon Monoxide and Carbon Dioxide Oxides of Nitrogen Irritant
 Vapors or Gases

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call (612) 733-1110 or (612) 733-6100 for 24-hour spill assistance. Contain spill. Collect spilled material.

RECOMMENDED DISPOSAL:
 Small quantities (less than 5 gal.(19 L)) may be discharged to a wastewater treatment system.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = D001 (ignitable).

All chemicals used in the manufacture of this material are listed on the following chemical inventories: CDSL (Canada), TSCA (US)

SARA HAZARD CLASS:
 FIRE HAZARD: Yes PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT:

Immediately wash skin with soap and large amounts of water. Remove contaminated clothing if signs/symptoms occur, call a physician. Wash contaminated clothing before reuse and dispose of contaminated

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6. SUGGESTED FIRST AID (CONTINUED)

eyes.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact. The following should be worn alone or in combination, as appropriate, to prevent eye contact: Wear vented goggles. Wear full-face shield.

xx When used as directed, eye contact with this material is not expected to occur.

SKIN PROTECTION:

Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: nitrile rubber. Use one or more of the following personal protection items as necessary to prevent skin contact: apron, coveralls

xx When used as directed, skin contact with this material is not expected to occur.

VENTILATION PROTECTION:

Use with appropriate local exhaust ventilation. Provide appropriate local exhaust ventilation at transfer points. Use in a well-ventilated area. If exhaust ventilation is not adequate, use appropriate respiratory protection.

xx When used as directed, no special ventilation is required.

RESPIRATORY PROTECTION:

Avoid inhalation of vapors, mists or spray. Avoid inhalation of airborne material. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask organic vapor respirator, full-face organic vapor respirator

xx When used as directed, respiratory protection is not required.

PREVENTION OF ACCIDENTAL INGESTION:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Do not ingest.

RECOMMENDED STORAGE:

Store away from heat. Keep container closed when not in use.

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7. PRECAUTIONARY INFORMATION (CONTINUED)

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Keep away from heat, sparks, open flame and other sources of ignition. Prevent all sources of ignition.

OTHER PRECAUTIONARY INFORMATION:

xx NOTE: This material is intended to be diluted only with the 3M Twist 'N Fill Chemical Dispenser.

EXPOSURE LIMITS

INGREDIENTS

WATER	VALUE	UNIT	TYPE AUTH	SKINS
HYDROXYALKYL AMINE OXIDES	NONE	NONE	NONE	NONE
ISOPROPYL ALCOHOL	500	ppm	TWA	ACDTH
ISOPROPYL ALCOHOL	200	ppm	TWA	OSHA
ISOPROPYL ALCOHOL	500	ppm	STEL	OSHA
2-ETHYL-HEXYLDIETHANOL	NONE	NONE	NONE	NONE

xx SKIN NOTATION: Listed substances indicated with "xx" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:
Severe Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, cloudy appearance of the cornea, impaired vision and possible permanently impaired vision.

SKIN CONTACT:

Irritation: signs/symptoms can include redness, swelling, itching, and dryness.

Prolonged or repeated exposure may cause:

Allergic Skin Reaction: signs/symptoms can include redness, swelling, blistering, and itching.

INHALATION:

Prolonged or repeated exposure may cause:

Central Nervous System Depression: signs/symptoms can include

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B. HEALTH HAZARD DATA (continued)

headache, dizziness, drowsiness, incoordination, slowed reaction
time, slurred speech, giddiness and unconsciousness.

Irritation (upper respiratory); signs/symptoms can include
soreness of the nose and throat, coughing and sneezing.

IF SWALLOWED:

Ingestion is not a likely route of exposure to this product.

Ingestion may cause:

Gastrointestinal Effects: signs/symptoms generally will include
abdominal pain.

SECTION CHANGE DATES

PRECAUT. INFO. SECTION CHANGED SINCE OCTOBER 12, 1993 ISSUE

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The information on this Data Sheet represents our current data and best
opinion as to the proper use in handling of this material under normal
conditions. Any use of the material which is not in conformance with this
Data Sheet or which involves using the material in combination with any
other material or any other process is the responsibility of the user.