

Ready-to-Use

3M General Offices - 3M Center
St. Paul, MN 55144-1000
1-800-364-3577 or (651) 737-6501 (24 hours)

3M General Offices
St. Paul, MN 55144-1000
1-800-364-3577 or (651) 737-6501 (24 hours)

MATERIAL SAFETY DATA SHEET



Copyright, 2000, Minnesota Mining and Manufacturing Company.
All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that:
1) the information is copied in full with no changes unless prior agreement is obtained from 3M, and
2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

DIVISION: COMMERCIAL CARE DIVISION

TRADE NAME: 3M BRAND GLASS CLEANER Ready-to-Use
(Product No. 1, Twist 'n Fill (tm) System)

ISSUED: MAY 30, 2000
SUPERSEDES: APRIL 10, 2000
DOCUMENT: 08-2583-6

1. INGREDIENT	G.A.S. NO.	PERCENT
WATER	7732-18-5	> 95
1-PROPOXY-2-PROPANOL	1569-01-3	0.5 - 1.5

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

2. PHYSICAL DATA

BOILING POINT:	ca. 200 F
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. 100 %
PHOSPHORY:	ca. 10
WETTING POINT:	50 CPS
APPEARANCE AND ODOR:	N/D
	Liquid, clear, light aqua blue color. Apple odor.

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	> 200 F
FLAMMABLE LIMITS - LEL:	N/D
FLAMMABLE LIMITS - UEL:	N/D
AUTOIGNITION TEMPERATURE:	N/D
EXTINGUISHING MEDIA:	Water spray, Carbon dioxide, Dry chemical, Foam
SPECIAL FIRE FIGHTING PROCEDURES:	Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Not determined.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MATERIAL SAFETY DATA SHEET



MSDS: 3M BRAND GLASS CLEANER Ready-to-Use
MAY 30, 2000

3. FIRE AND EXPLOSION HAZARD DATA (continued)

NFPA HAZARD CODES: HEALTH: 1 FIRE: 1 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none
OSHA FIRE HAZARD CLASS: Class IIIB Combustible Liquid

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
Strong Oxidizing Agents
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide and Carbon Dioxide, Aldehydes.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
Observe precautions from other sections. Ventilate area. Contain spill. Cover with absorbent material. Collect spilled material. Clean up residue with water. Place in a closed container.

RECOMMENDED DISPOSAL:

Flush spent solutions and small quantities (less than 5 gal. (19 L)) to a wastewater treatment system. Reduce discharge rate if foaming occurs. Incinerate large quantities in an industrial or commercial incinerator.

ENVIRONMENTAL DATA:
A Product Environmental Data Sheet (PED) is available.

See MSDS for product concentrate.

REGULATORY INFORMATION:

Volatile Organic Compounds: ca. 1.5 %
VOC Less H2O & Exempt Solvents: N/D.

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

TSCA: All components used in the manufacture of this material are in compliance with the US TSCA inventory.

EPICRA HAZARD CLASS:

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

6. SUGGESTED FIRST AID

EYE CONTACT:
Immediately flush eyes with large amounts of water. Get immediate medical attention.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

3M General Offices

3M Center
St. Paul, MN 55144-1000
1-800-364-3577 or (651) 737-6501 (24 hours)

275

Ready-to-Use

1

3M General Offices

3M Center
St. Paul, MN 55144-1000
1-800-364-3577 or (651) 737-6501 (24 hours)

276

MATERIAL SAFETY
DATA SHEET

MATERIAL SAFETY
DATA SHEET



MSDS: 3M BRAND GLASS CLEANER Ready-to-Use.....
May 30, 2000 (Product No. 1, Twist 'n Fill (tm) System)
PAGE: 3 of 5

MSDS: 3M BRAND GLASS CLEANER Ready-to-Use.....
May 30, 2000 (Product No. 1, Twist 'n Fill (tm) System)
PAGE: 4 of 5

6. SUGGESTED FIRST AID (continued)

SKIN CONTACT:
Flush skin with large amounts of water. If irritation persists, get medical attention.

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

IF SWALLOWED:
If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:
Avoid eye contact. Avoid eye contact with vapor, spray, or mist.

SKIN PROTECTION:
Avoid prolonged or repeated skin contact.

VENTILATION PROTECTION:
Use in a well-ventilated area. Use with adequate dilution ventilation.

RESPIRATORY PROTECTION:
Avoid breathing of vapors, mists or spray.

PREVENTION OF ACCIDENTAL INGESTION:
Wash hands after handling and before eating.

RECOMMENDED STORAGE:
Store away from heat. Keep container in well-ventilated area. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:
Keep container tightly closed.

OTHER PRECAUTIONARY INFORMATION:
NOTE: The above precautionary information presumes that this ready-to-use product has been diluted and dispensed from a TWIST'n Fill (tm) Chemical Dispenser.

HMIS HAZARD RATINGS: HEALTH: 0 FLAMMABILITY: 1 REACTIVITY: 0
PERSONAL PROTECTION: X (See precautions, section 7.)

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

7. PRECAUTIONARY INFORMATION (CONTINUED)

INGREDIENTS	EXPOSURE LIMITS	VALUE	UNIT	TYPE AUTH	SKIN*
WATER		NONE	NONE	NONE	NONE
1-PROPOXY-2-PROPANOL		NONE	NONE	NONE	NONE

* SKIN NOTATION: Listed substances indicated with "w" 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:
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:
Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

SKIN CONTACT:
Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.
May be absorbed through the skin and produce effects similar to those caused by inhalation and/or ingestion.

INHALATION:
Single overexposure, above recommended guidelines, may cause:
Central Nervous System Depression: signs/symptoms can include 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.
Gastrointestinal Effects: signs/symptoms generally will include abdominal pain.
Ingestion may cause:
Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

3M General Offices

3M Center
St. Paul, MN 55144-1000
1-800-364-3577 or (651) 737-6501 (24 hours)

277

MATERIAL SAFETY
DATA SHEET



MSDS: 3M BRAND GLASS CLEANER Ready-to-Use.....
MAY 30, 2000 (Product No. 1, Twist 'n Fill (tm) System)

PAGE: 5 of 5

SECTION CHANGE DATES

HEADING SECTION CHANGED SINCE APRIL 10, 2000 ISSUE

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from 3M.

1

Ready-to-Use