

ORIGINAL

3M General Offices

3M Center
 St. Paul, MN 55144-1000
 1-800-364-3577 or (612) 737-6501 (24 hours)

00-60
 6496

MATERIAL SAFETY
 DATA SHEET



Copyright, 1998, 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 STAINLESS-STEEL CLEANER & POLISH

ID NUMBER/U.P.C.: FZ-0100-0672-9 - - - - - FZ-0100-0673-7 - - - - -
 61-5000-0318-3 00-48011-08113-7 61-5000-0869-5 00-48011-08173-1
 61-5000-6132-2 00-48011-14002-0 61-5001-0835-4 00-48011-17906-3
 96-0000-0064-4

ISSUED: FEBRUARY 27, 1998
 SUPERSEDES: AUGUST 22, 1996
 DOCUMENT: 10-2819-0

1. INGREDIENT	C.A.S. NO.	PERCENT
WATER	7732-18-5	40
WHITE MINERAL OIL (PETROLEUM)	8042-47-5	15
ISOBUTANE	75-28-5	7
SORBITAN OLEATE	1338-43-8	1
ETHANOLAMINE	141-43-5	0.1

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. 212 F
 VAPOR PRESSURE: N/D
 VAPOR DENSITY: N/D
 EVAPORATION RATE: N/D
 SOLUBILITY IN WATER: N/D
 SP. GRAVITY: ca. 0.95 Water = 1
 PERCENT VOLATILE: 75-80 %
 pH: ca. 10.4
 VISCOSITY: N/D
 MELTING POINT: N/D
 APPEARANCE AND ODOR: Aerosol. liquid, white cream color

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A
 (for liquid; propellant FP < 0 F)
 FLAMMABLE LIMITS - LEL: N/D
 FLAMMABLE LIMITS - UEL: N/D
 AUTOIGNITION TEMPERATURE: N/D
 EXTINGUISHING MEDIA:
 Water spray, Carbon dioxide, Dry chemical, Foam

HILL & MARKES, INC.
 PO BOX 7, EDSON ST.
 AMSTERDAM, NY 12010
 518-842-2410/FAX-1207

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 (612) 737-6501 (24 hours)

00-60
6497

MATERIAL SAFETY
DATA SHEET



MSDS: 3M Brand STAINLESS STEEL CLEANER & POLISH
FEBRUARY 27, 1998

PAGE: 2 of 5

3. FIRE AND EXPLOSION HAZARD DATA (continued)

SPECIAL FIRE FIGHTING PROCEDURES:

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Closed containers exposed to heat from fire may build pressure and explode.

NFPA HAZARD CODES: HEALTH: 0 FIRE: 1 REACTIVITY: 1
UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

Heat.

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide.

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. Ventilate area. Extinguish all ignition sources. Contain spill. Evacuate unprotected personnel from hazard area. Close cylinder or if necessary vent in hood or remote area. Place leaking containers in a well-ventilated area, preferably in an exhaust hood, if available, or outdoors.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Do not puncture or burn cans in a household incinerator. Facility must be capable of handling aerosol cans. Dispose of empty cans in a sanitary landfill.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: ca. 106 gms/liter South Coast Air Quality Mgmt Dist Method Rule 443.1, calculated.
VOC Less H2O & Exempt Solvents: N/D.

Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity. U.S. EPA Hazardous Waste Number = D001 (Ignitable)

All chemicals used in the manufacture of this material are listed on

3M General Offices

3M Center
St. Paul, MN 55144-1000
1-800-364-3577 or (612) 737-6501 (24 hours)

00-60
6498

MATERIAL SAFETY
DATA SHEET



MSDS: 3M Brand STAINLESS STEEL CLEANER & POLISH
FEBRUARY 27, 1998

PAGE: 3 of 5

5. ENVIRONMENTAL INFORMATION (continued)

the following chemical inventories: TSCA

EPCRA HAZARD CLASS:

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

6. SUGGESTED FIRST AID

EYE CONTACT:

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

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:

No need for first aid is anticipated.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact.

SKIN PROTECTION:

Avoid prolonged or repeated skin contact.

VENTILATION PROTECTION:

Not applicable.

RESPIRATORY PROTECTION:

Avoid prolonged breathing of spray or mists.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Store at temperatures below 120 degrees F (49 degrees C). Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Aerosol container contains flammable gas under pressure. Do not pierce or burn container, even after use.

OTHER PRECAUTIONARY INFORMATION:

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

3M General Offices

3M Center
St. Paul, MN 55144-1000
1-800-364-3577 or (612) 737-6501 (24 hours)

00-60
6499

MATERIAL SAFETY
DATA SHEET

3M

MSDS: 3M Brand STAINLESS STEEL CLEANER & POLISH
FEBRUARY 27, 1998

PAGE: 4 of 5

7. PRECAUTIONARY INFORMATION (CONTINUED)

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH	SKIN*
	VALUE	UNIT		
WATER	NONE	NONE	NONE NONE	
WHITE MINERAL OIL (PETROLEUM)	5	mg/m ³	TWA CMRG	
WHITE MINERAL OIL (PETROLEUM)	10	mg/m ³	STEL CMRG	
ISOBUTANE	NONE	NONE	NONE NONE	
SORBITAN OLEATE	NONE	NONE	NONE NONE	
ETHANOLAMINE	3	ppm	TWA ACGIH	
ETHANOLAMINE	6	ppm	STEL ACGIH	
ETHANOLAMINE	3	ppm	TWA OSHA	
ETHANOLAMINE	6	ppm	STEL OSHA	

* SKIN NOTATION: Listed substances indicated with "Y" 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
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level
- OSHA: Occupational Safety and Health Administration
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

8. HEALTH HAZARD DATA**EYE CONTACT:**

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

SKIN CONTACT:

Product is not expected to be irritating to the skin.

INHALATION:

No adverse health effects are expected from inhalation exposure.

IF SWALLOWED:

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

No adverse health effects are expected from swallowing.

OTHER HEALTH HAZARD INFORMATION:

3M Brand Stainless Steel Cleaner & Polish contains no components listed as carcinogens by IARC, NTP or OSHA.

3M General Offices

3M Center
St. Paul, MN 55144-1000
1-800-364-3577 or (612) 737-6501 (24 hours)

00-60
6500

MATERIAL SAFETY
DATA SHEET



MSDS: 3M Brand STAINLESS STEEL CLEANER & POLISH
FEBRUARY 27, 1998

PAGE: 5 of 5

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE	AUGUST 22, 1996	ISSUE
INGREDIENTS	SECTION CHANGED SINCE	AUGUST 22, 1996	ISSUE
ENVIRON. DATA	SECTION CHANGED SINCE	AUGUST 22, 1996	ISSUE
PRECAUT. INFO.	SECTION CHANGED SINCE	AUGUST 22, 1996	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.