

MATERIAL SAFETY 3M  
DATA SHEET 3M Center  
St. Paul, Minnesota  
55144-1000  
1-800-364-3577 or (651) 737-6501 (24 hours)

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 STANCE(TM) FLOOR FINISH

ID NUMBER/U.P.C.:

70-0708-3551-0 00-48011-23756-0 70-0708-3554-4 00-48011-23759-6

70-0708-3664-1 00-48011-23804-8

ISSUED: October 13, 1998

SUPERSEDES: May 07, 1998

DOCUMENT: 08-5785-4

1. INGREDIENT	C.A.S. NO.	PERCENT
WATER.....	7732-18-5	60 - 90
STYRENE-ACRYLONITRILE POLYMER.....	9003-54-7	10 - 30
DIETHYLENE GLYCOL MONOMETHYL ETHER.....	111-77-3	1 - 5
TRI(BUTOXYETHYL) PHOSPHATE.....	78-51-3	1 - 5
ZINC AMMONIA CARBONATE COMPLEX.....	38714-47-5	0.5 - 1.5
MALEIC ANHYDRIDE-PROPYLENE POLYMER.....	25722-45-6	0.5 - 1.5
DIBUTYL PHTHALATE.....	84-74-2	0.1 - 1.0

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.  
The components of this product are in compliance with the chemical  
notification requirements of TSCA.

This product contains the following toxic chemical or chemicals subject to  
the reporting requirements of Section 313 of Title III of the Emergency  
Planning and Community Right-To-Know Act of 1986 and 40 CFR Part 372:

DIETHYLENE GLYCOL MONOMETHYL ETHER  
TRI(BUTOXYETHYL) PHOSPHATE  
ZINC AMMONIA CARBONATE COMPLEX  
DIBUTYL PHTHALATE

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

---

## 2. PHYSICAL DATA

---

BOILING POINT:..... ca. 212 F  
VAPOR PRESSURE:..... N/D  
VAPOR DENSITY:..... N/D  
EVAPORATION RATE:..... N/D  
SOLUBILITY IN WATER:..... complete  
SPECIFIC GRAVITY:..... ca. 1.0 Water=1  
PERCENT VOLATILE:..... ca. 80 %  
pH:..... 8 - 9  
VISCOSITY:..... < 10 centipoise  
MELTING POINT:..... N/D

APPEARANCE AND ODOR:

Liquid, opaque white, mild ammonia odor.

---

## 3. FIRE AND EXPLOSION HAZARD DATA

---

FLASH POINT:..... N/A  
FLAMMABLE LIMITS - LEL:..... N/A  
FLAMMABLE LIMITS - UEL:..... N/A  
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:

Water, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

Not applicable

UNUSUAL FIRE AND EXPLOSION HAZARDS:

No unusual fire or explosion hazards are anticipated. See Hazardous  
Decomposition section for products of combustion.

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

---

## 4. REACTIVITY DATA

---

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Protect from freezing.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

---

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

-----  
4. REACTIVITY DATA (continued)  
-----

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Oxides of Nitrogen, Irritant  
Vapors or Gases.

-----  
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:

Incinerate in an industrial or commercial facility in the presence of  
a combustible material.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: ca. 4.5 %.  
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 = None (Not  
U.S. EPA Hazardous).

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

EPCRA HAZARD CLASS:

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

-----  
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.

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

---

6. SUGGESTED FIRST AID (continued)

---

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 with vapor, spray, or mist. Wear unvented goggles during operations in which exposure is likely.

SKIN PROTECTION:

Avoid prolonged or repeated skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: butyl rubber.

RECOMMENDED VENTILATION:

Do not use in a confined area or areas with little or no air movement. Use in a well-ventilated area. Use with adequate dilution ventilation. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid breathing of vapors, mists or spray. Avoid breathing 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.

PREVENTION OF ACCIDENTAL INGESTION:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Wash hands after handling and before eating.

RECOMMENDED STORAGE:

Store away from areas where product may come into contact with food or pharmaceuticals. Store at temperatures above 32 degrees F (0 degrees C). Keep container dry. Keep container closed when not in use. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed.

---

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

-----  
7. PRECAUTIONARY INFORMATION (continued)  
-----

OTHER PRECAUTIONARY INFORMATION:

Not intended for consumer sale or use.

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

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
-----	-----	-----	-----	-----	-----
WATER.....	NONE	NONE	NONE	NONE	
STYRENE-ACRYLONITRILE POLYMER.....	NONE	NONE	NONE	NONE	
DIETHYLENE GLYCOL MONOMETHYL ETHER...	30	PPM	TWA	CMRG	
TRI(BUTOXYETHYL) PHOSPHATE.....	NONE	NONE	NONE	NONE	
ZINC AMMONIA CARBONATE COMPLEX.....	NONE	NONE	NONE	NONE	
MALEIC ANHYDRIDE-PROPYLENE POLYMER...	NONE	NONE	NONE	NONE	
DIBUTYL PHTHALATE.....	5	MG/M3	TWA	ACGIH	
DIBUTYL PHTHALATE.....	5	MG/M3	TWA	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
- OSHA: Occupational Safety and Health Administration
- CMRG: Chemical Manufacturer Recommended Exposure Guidelines
- 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 similiar 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

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

-----  
8. HEALTH HAZARD DATA (continued)  
-----

time, slurred speech, giddiness and unconsciousness.

Prolonged or repeated exposure may cause:

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:

Irritation of Gastrointestinal Tissues: signs/symptoms can  
include pain, vomiting, abdominal tenderness, nausea, blood in  
vomit, and blood in feces.

REPRODUCTIVE/DEVELOPMENTAL TOXINS:

REPRODUCTIVE STUDIES: 1. DIETHYLENE GLYCOL MONOMETHOL ETHER (111-7 7-3) has been shown to reduce number of viable litters, number of live pups/litter and number of pups surviving over 1-3 days using an in vivo mouse screening bioassay. Reduced weights and increase in maternal mortality was also noted. 2. TERATOGEN STUDY: Teratogenicity of diethylene glycol monomethyl ether was evaluated in pregnant rabbits dermally exposed at levels of 0, 50, 250, 750 mg/kg/day. In high dose group: decreased maternal weight gain, increased mild fore limb flexure and dilated renal pelvis, increased retrocaval ureter, delayed ossification of sternebrae were seen in rabbit pups. In high to mid-dose groups: delayed ossification of hyoid skull and cervical vertebrae spur were also seen in rabbit pups. 3. Hardin et al. (1986) dosed rats orally on days 7-16 of gestation with 720 and 2165 mg/kg. Neither dose was maternally toxic, but rib and heart malformations were increased.

DIBUTYL PHTHALATE (84-74-2) is a potential reproductive hazard causing embryotoxic, teratogenic and male reproductive effects by the oral route of exposure in laboratory animals.

-----  
SECTION CHANGE DATES  
-----

PRECAUTIONARY INFO. SECTION CHANGED SINCE May 07, 1998      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.