

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

Copyright, 2001, 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: ENGINEERED ADHESIVES

TRADE NAME:

3M(TM) Scotch-Seal(TM) Industrial Sealant 800

ID NUMBER/U.P.C.:

62-0800-0635-6	00-21200-85871-0	62-0800-2631-3	00-21200-19674-4
62-0800-2635-4	- - -	62-0800-7530-2	00-21200-19677-5
62-0800-8530-1	00-21200-19679-9	62-0800-9530-0	00-21200-19681-2
62-0800-9531-8	- - -	XS-0414-0879-9	- - -

ISSUED: May 24, 2001

SUPERSEDES: April 16, 2001

DOCUMENT: 10-3117-8

1. INGREDIENT	C.A.S. NO.	PERCENT
METHYL ETHYL KETONE.....	78-93-3	40.0 - 50.0
ACRYLONITRILE-BUTADIENE POLYMER.....	9003-18-3	10.0 - 20.0
GLYCEROL ESTERS OF ROSIN ACIDS.....	8050-31-5	10.0 - 20.0
METHYL ISOBUTYL KETONE.....	108-10-1	3.0 - 7.0
CALCIUM CARBONATE.....	471-34-1	7 - 13
TRI(BUTOXYETHYL) PHOSPHATE.....	78-51-3	1.0 - 5
CALCIUM ALUMINUM SILICATE.....	1327-39-5	1.0 - 5.0
TITANIUM DIOXIDE.....	13463-67-7	1.0 - 5.0
IRON OXIDE.....	1309-37-1	1.0 - 5.0
SALICYLIC ACID.....	69-72-7	1.0 - 5
ZINC OXIDE.....	1314-13-2	< 2

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:

METHYL ETHYL KETONE
 METHYL ISOBUTYL KETONE
 TRI(BUTOXYETHYL) PHOSPHATE
 ZINC OXIDE

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

2. PHYSICAL DATA

BOILING POINT:..... ca. 175 F
 MEK
VAPOR PRESSURE:..... ca. 80 mmHg
 @68F
VAPOR DENSITY:..... 2.5 Air=1
EVAPORATION RATE:..... ca. 2.7 Water=1
SOLUBILITY IN WATER:..... slight
SPECIFIC GRAVITY:..... ca. 1.04 Water=1
PERCENT VOLATILE:..... ca. 47 % by wt
pH:..... N/D
VISCOSITY:..... ca. 28700 centipoise
MELTING POINT:..... N/D

APPEARANCE AND ODOR:
 Reddish-brown, heavy syrup - ketone odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 20 F
FLAMMABLE LIMITS - LEL:..... ca. 1.4 % by vol
FLAMMABLE LIMITS - UEL:..... 11.5 % by vol
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:
 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:
 Closed containers exposed to heat from fire may build pressure and
 explode. Vapors may travel long distances along the ground or floor
 to an ignition source and flash back.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 3 REACTIVITY: 0
 UNUSUAL REACTION HAZARD: none

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

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:
Strong Oxidizing Agents.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide and Carbon Dioxide, Oxides of Nitrogen, Hydrogen
Cyanide, Aldehydes, Ketones, Hydrocarbons, Oxides of Zinc.

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. Cover with absorbent material. Collect using non-sparking tools. Place in a U.S. DOT-approved container.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Dispose of waste product in a facility permitted to accept chemical waste.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: ca. 486 gms/liter calculated per SCAQMD rule 443.1.
Volatile Organic Compounds: ca. 47 %.
Volatile Organic Compounds: ca. 4.06 lb/gal.
VOC Less H2O & Exempt Solvents: ca. 486 gms/liter calculated per SCAQMD rule 443.1.

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

EPCRA HAZARD CLASS:

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

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

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:

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

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. Wear vented goggles. Wear safety glasses with side shields.

SKIN PROTECTION:

Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: butyl rubber, polyethylene/ethylene vinyl alcohol, polytetrafluoroethylene (Teflon).

RECOMMENDED VENTILATION:

Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid prolonged breathing of vapors. 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 ingest.

RECOMMENDED STORAGE:

Keep container closed when not in use. Keep out of the reach of children.

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

7. PRECAUTIONARY INFORMATION (continued)

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Flammable liquid and vapor. Keep away from heat, sparks, open flame, and other sources of ignition. Ground containers securely when transferring contents. Wear low static or properly grounded shoes.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
METHYL ETHYL KETONE.....	200	PPM	TWA	OSHA	
METHYL ETHYL KETONE.....	300	PPM	STEL	OSHA	
METHYL ETHYL KETONE.....	200	PPM	TWA	ACGIH	
METHYL ETHYL KETONE.....	300	PPM	STEL	ACGIH	
ACRYLONITRILE-BUTADIENE POLYMER.....	NONE	NONE	NONE	NONE	
GLYCEROL ESTERS OF ROSIN ACIDS.....	NONE	NONE	NONE	NONE	
METHYL ISOBUTYL KETONE.....	50	PPM	TWA	ACGIH	
METHYL ISOBUTYL KETONE.....	75	PPM	STEL	ACGIH	
METHYL ISOBUTYL KETONE.....	50	PPM	TWA	OSHAV	
			OSHA VACATED PEL		
METHYL ISOBUTYL KETONE.....	75	PPM	STEL	OSHAV	
			OSHA VACATED PEL		
METHYL ISOBUTYL KETONE.....	100	PPM	TWA	OSHA	
CALCIUM CARBONATE.....	10	MG/M3	TWA	ACGIH	
TRI (BUTOXYETHYL) PHOSPHATE.....	NONE	NONE	NONE	NONE	
CALCIUM ALUMINUM SILICATE.....	NONE	NONE	NONE	NONE	
TITANIUM DIOXIDE.....	10	MG/M3	TWA	ACGIH	
TITANIUM DIOXIDE.....	10	MG/M3	TWA	OSHAV	
			AS DUST		
			OSHA VACATED PEL		
TITANIUM DIOXIDE.....	15	MG/M3	TWA	OSHA	
			AS TOTAL DUST		
TITANIUM DIOXIDE.....	5	MG/M3	TWA	CMRG	
			AS RESPIRABLE DUST		
IRON OXIDE.....	5	MG/M3	TWA	ACGIH	
			as Fe		
IRON OXIDE.....	10	MG/M3	TWA	OSHA	
			as fume		
SALICYLIC ACID.....	NONE	NONE	NONE	NONE	
ZINC OXIDE.....	10	MG/M3	TWA	ACGIH	
			AS DUST		
ZINC OXIDE.....	10	MG/M3	TWA	OSHAV	
			AS DUST		
			OSHA VACATED PEL		
ZINC OXIDE.....	5	MG/M3	TWA	ACGIH	
			as fume		
ZINC OXIDE.....	10	MG/M3	STEL	ACGIH	
			as fume		
ZINC OXIDE.....	5	MG/M3	TWA	OSHA	

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

EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
ZINC OXIDE.....	10	MG/M3	STEL	OSHAV	
		as fume			
ZINC OXIDE.....	15	MG/M3	TWA	OSHA	
		OSHA VACATED PEL			
ZINC OXIDE.....	5	MG/M3	TWA	OSHA	
		AS TOTAL DUST			
		RESPIRABLE			

* 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
- CMRG: Chemical Manufacturer Recommended Exposure Guidelines
- OSHA: Occupational Safety and Health Administration
- OSHAV: Occupational Safety and Health Administration Vacated PEL. Vacated Permissible Exposure Limits (PEL) are enforced as the OSHA PEL in some states. Check with your local regulatory authority.
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:

Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

INHALATION:

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.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

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

8. HEALTH HAZARD DATA (continued)

Kidney Effects: signs/symptoms can include reduced urine volume, blood in urine and back pain.

Liver Effects: signs/symptoms can include yellow skin(jaundice) and tenderness of upper abdomen.

IF SWALLOWED:

Ingestion may cause:

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

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Ingestion may cause:

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue, blurred vision, slurred speech, giddiness, tremors and convulsions.

Aspiration Pneumonitis: signs/symptoms can include coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE	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.