MATERIAL SAFETY DATA SHEET

3M
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DIVISION: ELECTRICAL PRODUCTS DIVISION
TRADE NAME:
SCOTCHKOTE BRAND ELECTRICAL COATING
ID NUMBER/U.P.C.:
80-6107-3307-5 00-54007-14853-1 80-6112-0519-8 00-54007-43906-6
CS-0406-0592-8 - - -
ISSUED: November 27, 2001
SUPERSEDES: October 24, 2000
DOCUMENT: 10-2644-2

1. INGREDIENT	C.A.S. NO.	PERCENT	
ACETONE	67-64-1	40.0	- 45.0
METHYL ETHYL KETONE	78-93-3	12.0	- 15.0
TOLUENE	108-88-3	12.0	- 15.0
ACRYLONITRILE-BUTADIENE POLYMER	9003-18-3	10.0	- 15.0
PHENOL-FORMALDEHYDE RESIN	25085-50-1	3.0	- 7.0
GLYCEROL ESTERS OF ROSIN ACIDS	8050-31-5	3.0	- 7.0
SALICYLIC ACID	69-72-7	1.0	- 2.0
ZINC OXIDE	1314-13-2	1.0	- 2.0
ANTIOXIDANT	68411-46-1	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.

All ingredients on TSCA; EINECS; CDSL

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
TOLUENE
ZINC OXIDE

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

2. PHYSICAL DATA

BOILING POINT:..... 56.5C
VAPOR PRESSURE:..... 229 mm Hg @25C
VAPOR DENSITY:..... 2.00
EVAPORATION RATE:..... N/D
SOLUBILITY IN WATER:..... Nil
SPECIFIC GRAVITY:..... 0.88
PERCENT VOLATILE:..... 75
pH:..... N/A
VISCOSITY:..... 325cps
MELTING POINT:..... N/D

APPEARANCE AND ODOR:
Liquid, Brown, solvent odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 0F Closed Cup
FLAMMABLE LIMITS - LEL:..... 2.15%
FLAMMABLE LIMITS - UEL:..... 13.0%
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:
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

OSHA FIRE HAZARD CLASS: Class IB Flammable Liquid

4. REACTIVITY DATA

STABILITY: Stable

4. REACTIVITY DATA (continued)

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:
None known.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide and Carbon Dioxide, Oxides of Nitrogen, Hydrocarbons, Amine Compounds.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
Observe precautions from other sections. Ventilate area. Extinguish all ignition sources. Contain spill. Cover with inorganic absorbent material. Collect spilled material. Clean up residue. Place in an approved metal container.

RECOMMENDED DISPOSAL:
Incinerate in a permitted hazardous waste incinerator.

ENVIRONMENTAL DATA:
Not determined.

REGULATORY INFORMATION:
Volatile Organic Compounds: ca. 2.1 lb/gal.
VOC Less H2O & Exempt Solvents: ca. 251 gms/liter.

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)

EPCRA 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 flush skin with large amounts of water. Remove contaminated clothing. If irritation persists, call a physician. Wash contaminated clothing before reuse.

6. SUGGESTED FIRST AID (continued)

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

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

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:
Avoid eye contact. Wear unvented goggles during operations in which exposure is likely.

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. Use one or more of the following personal protection items as necessary to prevent skin contact: apron, coveralls.

RECOMMENDED VENTILATION:
Use with appropriate local exhaust ventilation. Provide appropriate local exhaust ventilation at transfer points. Provide appropriate local exhaust ventilation on open containers. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

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

PREVENTION OF ACCIDENTAL INGESTION:
Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

RECOMMENDED STORAGE:
Store in a cool place. Store away from acids. Store out of direct sunlight. Keep container in well-ventilated area. Contents may be under pressure, open carefully. Keep out of the reach of children.

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. No smoking while handling this material. Vapors may ignite explosively.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
ACETONE	500	PPM	TWA	ACGIH	
ACETONE	750	PPM	STEL	ACGIH	
ACETONE	750	PPM	TWA	OSHAV	
	OSHA VACATED PEL				
ACETONE	1000	PPM	STEL	OSHAV	
	OSHA VACATED PEL				
ACETONE	1000	PPM	TWA	OSHA	
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	
TOLUENE	50	PPM	TWA	ACGIH	Y
TOLUENE	100	PPM	TWA	OSHAV	
	OSHA VACATED PEL				
TOLUENE	150	PPM	STEL	OSHAV	
	OSHA VACATED PEL				
TOLUENE	200	PPM	TWA	OSHA	
TOLUENE	300	PPM	CEIL	OSHA	
TOLUENE	75	PPM	STEL	CMRG	Y
ACRYLONITRILE-BUTADIENE POLYMER	NONE	NONE	NONE	NONE	
PHENOL-FORMALDEHYDE RESIN	NONE	NONE	NONE	NONE	
GLYCEROL ESTERS OF ROSIN ACIDS	NONE	NONE	NONE	NONE	
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	
	as fume				
ZINC OXIDE	10	MG/M3	STEL	OSHAV	
	as fume				
	OSHA VACATED PEL				
ZINC OXIDE	15	MG/M3	TWA	OSHA	

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EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
	AS TOTAL DUST				
ZINC OXIDE.....	5	MG/M3	TWA	OSHA	
	RESPIRABLE				
ANTIOXIDANT.....	NONE	NONE	NONE	NONE	

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

May be absorbed through the skin and produce effects similiar to those caused by inhalation and/or ingestion.

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.

Vapors of the uncured product may cause irritation of the respiratory system.

Prolonged or repeated exposure may cause:

Blood disorders: signs/symptoms can include prolonged weakness

8. HEALTH HAZARD DATA (continued)

and fatigue.

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

Prolonged or repeated overexposure, above recommended guidelines, may cause:

Cardiac Sensitization: sudden heart stoppage due to a reflex effect on the nerves which control the heart. This effect usually occurs only after inhalation of concentrated vapors such as in intentional abusive sniffing of certain solvents and propellants.

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

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

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.

Repeated ingestion may cause:

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.

REPRODUCTIVE/DEVELOPMENTAL TOXINS:
WARNING: Contains a chemical which can cause birth defects. (108-88-3)

SALICYLIC ACID (69-72-7) has been associated with lower birth weights, increased perinatal mortality, ante- and postpartum hemorrhage, prolonged gestation and complicated deliveries.

SECTION CHANGE DATES

PRECAUTIONARY INFO. SECTION CHANGED SINCE October 24, 2000 ISSUE

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