

MATERIAL SAFETY 3M
 DATA SHEET 3M Center
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This material safety data sheet (MSDS) is provided as a courtesy
 in response to a customer request. This product is not regulated
 under, and a MSDS is not required for this product by the OSHA
 Hazard Communication Standard (29 CFR 1910.1200) because, when
 used as recommended or under ordinary conditions, it should not
 present a health and safety hazard. However, use or processing
 of the product not in accordance with the product's
 recommendations or not under ordinary conditions may affect the
 performance of the product and may present potential health and
 safety hazards.

DIVISION: ELECTRICAL PRODUCTS DIVISION

TRADE NAME:

SCOTCHSEAL COMPOUND 2229

ID NUMBER/U.P.C.:

80-6105-9441-0 00-54007-49702-8 80-6107-3292-9 00-54007-50336-1
 80-6109-2897-2 00-54007-42919-7 80-6109-2916-0 00-54007-42938-8

ISSUED: February 17, 1999

SUPERSEDES: February 12, 1999

DOCUMENT: 05-4288-6

1. INGREDIENT	C.A.S. NO.	PERCENT	
KAOLIN.....	1332-58-7	38.0	- 41.0
POLYBUTYLENE.....	9003-29-6	20.0	- 24.0
CALCIUM CARBONATE.....	471-34-1	6.0	- 10.0
ALIPHATIC HYDROCARBONS.....	68003-51-0	6.7	- 7.0
POLYISOBUTYLENE.....	9003-27-4	5.0	- 8.0
ISOBUTYLENE-ISOPRENE POLYMER.....	9010-85-9	5.0	- 7.0
CARBON BLACK.....	1333-86-4	2.0	- 3.0
ASPHALT.....	8052-42-4	5.0	- 8.0

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

ALL COMPONENTS ARE ON THE TSCA, EINECS, AND CDSL CHEMICAL
 INVENTORIES.

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

2. PHYSICAL DATA

BOILING POINT:..... N/A
VAPOR PRESSURE:..... N/A
VAPOR DENSITY:..... N/A
EVAPORATION RATE:..... N/A
SOLUBILITY IN WATER:..... nil
SPECIFIC GRAVITY:..... ca. 1.20 Water=1 ASTM
PERCENT VOLATILE:..... nil
pH:..... N/A
VISCOSITY:..... N/A
MELTING POINT:..... N/D

APPEARANCE AND ODOR:
Black roll with release liner

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:
Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:
Not applicable

UNUSUAL FIRE AND EXPLOSION HAZARDS:
No unusual fire or explosion hazards are anticipated.

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

OSHA FIRE HAZARD CLASS: Not applicable

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:
Not applicable.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

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4. REACTIVITY DATA (continued)

HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide and Carbon Dioxide.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
Not applicable.

RECOMMENDED DISPOSAL:
Incinerate in an industrial or commercial facility. Dispose of waste product in a sanitary landfill.

ENVIRONMENTAL DATA:
Not applicable.

REGULATORY INFORMATION:
Volatile Organic Compounds: N/D.
VOC Less H2O & Exempt Solvents: N/A.

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

EPCRA HAZARD CLASS:
FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: No CHRONIC: No

6. SUGGESTED FIRST AID

EYE CONTACT:
No need for first aid is anticipated.

SKIN CONTACT:
No need for first aid is anticipated.

INHALATION:
No need for first aid is anticipated.

IF SWALLOWED:
No need for first aid is anticipated.

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7. PRECAUTIONARY INFORMATION

EYE PROTECTION:
Not applicable.

SKIN PROTECTION:
Not applicable.

RECOMMENDED VENTILATION:
Not applicable.

RESPIRATORY PROTECTION:
Not applicable.

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

RECOMMENDED STORAGE:
Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:
Not applicable.

HMIS HAZARD RATINGS: HEALTH: 0 FLAMMABILITY: 2 REACTIVITY: 0
PERSONAL PROTECTION: X

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
KAOLIN.....	2	MG/M3	TWA	ACGIH	
		respirable dust			
KAOLIN.....	10	MG/M3	TWA	OSHA	
POLYBUTYLENE.....	NONE	NONE	NONE	NONE	
CALCIUM CARBONATE.....	10	MG/M3	TWA	ACGIH	
ALIPHATIC HYDROCARBONS.....	NONE	NONE	NONE	NONE	
POLYISOBUTYLENE.....	NONE	NONE	NONE	NONE	
ISOBUTYLENE-ISOPRENE POLYMER.....	NONE	NONE	NONE	NONE	
CARBON BLACK.....	3.5	MG/M3	TWA	ACGIH	
CARBON BLACK.....	3.5	MG/M3	TWA	OSHA	
ASPHALT.....	5	MG/M3	TWA	ACGIH	
		as fume			

* 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

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

EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*

- NONE:	None	Established			

8. HEALTH HAZARD DATA

EYE CONTACT:

No adverse health effects are expected from eye contact.

SKIN CONTACT:

No adverse health effects are expected from skin contact.

INHALATION:

No adverse health effects are expected from inhalation exposure.

IF SWALLOWED:

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

CANCER:

WARNING: Contains a chemical which can cause cancer. (1333-86-4)
(IARC possible human carcinogen 2B)

WARNING: Contains a chemical which can cause cancer. (8052-42-4)
(IARC possible human carcinogen 2B, Calif. Proposition 65)

SECTION CHANGE DATES

HEADING SECTION CHANGED SINCE February 12, 1999 ISSUE

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