

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

Copyright, 1999, 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.

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:
SCOTCH BRAND AUTO-ELECTRIC SEALING COMPOUND 6149
U.P.C. Number:
00-54007-06149-6
ISSUED: March 12, 1999
SUPERSEDES: February 24, 1997
DOCUMENT: 10-2647-5

1. INGREDIENT	C.A.S. NO.	PERCENT
TALC.....	14807-96-6	30.0 - 35.0
POLYBUTYLENE.....	9003-29-6	20.0 - 25.0
ALIPHATIC HYDROCARBON RESIN.....	68003-51-0	10.0 - 15.0
ETHYLENE-PROPYLENE TERPOLYMER.....	61789-00-2	5.0 - 10.0
ISOBUTYLENE-ISOPRENE POLYMER.....	9010-85-9	5.0 - 10.0
POLYISOBUTYLENE.....	9003-27-4	5.0 - 10.0
ASPHALT.....	8052-42-4	5.0 - 10.0
VINYL BACKING.....	None	4.0 - 6.0
CARBON BLACK.....	1333-86-4	1.0 - 5.0
LEAD OXIDE PHOSPHONATE, HEMIHYDRATE (H2O.2H05PPB3).....	1344-40-7	< 1.0
ANTIMONY TRIOXIDE.....	1309-64-4	< 1.0

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:

LEAD OXIDE PHOSPHONATE, HEMIHYDRATE
(H2O.2H05PPB3)

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

1. INGREDIENT	C.A.S. NO.	PERCENT
---------------	------------	---------

ANTIMONY TRIOXIDE

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:..... N/A
PERCENT VOLATILE:..... 0
pH:..... N/A
VISCOSITY:..... N/A
MELTING POINT:..... N/D

APPEARANCE AND ODOR:

Black pads 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:

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:

See Hazardous Decomposition section for products of combustion.

NFPA HAZARD CODES: HEALTH: 0 FIRE: 0 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:
Not applicable.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide and Carbon Dioxide, Hydrogen Chloride, Phosgene.

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:
LESS THAN 0.1 PPM EXTRACTABLE LEAD BY THE USEPA EP (EXTRACTABLE PROCEDURE) TOXICITY TEST (40 CFR PART 261.24).

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

Since regulations vary, consult applicable regulations or authorities before disposal.

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.

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

6. SUGGESTED FIRST AID (continued)

IF SWALLOWED:

No need for first aid is anticipated.

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.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
TALC.....	2	MG/M3	TWA	OSHA	
	as respirable dust				
TALC.....	2	MG/M3	TWA	ACGIH	
	as respirable dust				
POLYBUTYLENE.....	NONE	NONE	NONE	NONE	
ALIPHATIC HYDROCARBON RESIN.....	NONE	NONE	NONE	NONE	
ETHYLENE-PROPYLENE TERPOLYMER.....	NONE	NONE	NONE	NONE	
ISOBUTYLENE-ISOPRENE POLYMER.....	NONE	NONE	NONE	NONE	
POLYISOBUTYLENE.....	NONE	NONE	NONE	NONE	
ASPHALT.....	5	MG/M3	TWA	ACGIH	
	as fume				
VINYL BACKING.....	NONE	NONE	NONE	NONE	
CARBON BLACK.....	3.5	MG/M3	TWA	ACGIH	
CARBON BLACK.....	3.5	MG/M3	TWA	OSHA	
LEAD OXIDE PHOSPHONATE, HEMIHYDRATE (H2O.2H05PPB3).....	0.05	MG/M3	TWA	ACGIH	
	as Pb				

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

EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
LEAD OXIDE PHOSPHONATE, HEMIHYDRATE (H2O.2H05PPB3).....	0.05	MG/M3	TWA	OSHA	
	as Pb				
ANTIMONY TRIOXIDE.....	0.5	MG/M3	TWA	ACGIH	
	as Sb				

* 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
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Eye contact is not expected to occur during normal use of the product.

SKIN CONTACT:

No adverse health effects are expected from skin contact.

INHALATION:

Health effects from inhalation are not expected unless product is heated.

IF SWALLOWED:

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

CANCER:

WARNING: Contains a chemical which can cause cancer. (1309-64-4)
(ACGIH suspected human carcinogen A2, IARC possible human carcinogen 2B, Calif. Proposition 65)

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

WARNING: Contains a chemical which can cause cancer. (1344-40-7)
(IARC possible human carcinogen 2B - Inorganic Lead Compounds, ACGIH animal carcinogen A3 - Inorganic Lead Compounds, Calif. Proposition 65 - Lead Compounds)

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

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

8. HEALTH HAZARD DATA (continued)

WARNING: Contains a chemical which can cause cancer. (Lead Compounds)
(IARC possible human carcinogen 2B - Lead and Inorganic Lead
Compounds, IARC not classifiable 3 - Organolead Compounds, ACGIH
animal carcinogen A3 - Elemental Lead and Inorganic Compounds, Calif.
Proposition 65 - Lead and Lead Compounds.

REPRODUCTIVE/DEVELOPMENTAL TOXINS:

WARNING: Contains a chemical which can cause birth defects,
reproductive harm, and developmental effects. (1344-40-7)

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE February 24, 1997	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.