

3M General Offices
 3M Center
 St. Paul, Minnesota 55144-1000
 612/733 1110
 Duns No.: 00-617-3082

03-96
 3542

MATERIAL SAFETY
 DATA SHEET



DIVISION: ADHESIVES, COATINGS AND SEALERS
 TRADE NAME:
 3M Body Schutz Part No. 08864
 3M I.D. NUMBER: 62-5751-6509-7 62-5751-6519-6

ISSUED: DECEMBER 30, 1989
 SUPERSEDES: APRIL 12, 1989
 DOCUMENT: 10-6243-9

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
heptane	142-82-5	20.0 - 30.0	400	ppm	TWA	ACGIH
n-hexane	110-54-3	20.0 - 30.0	50	ppm	TWA	ACGIH
asphalt	8052-42-4	10.0 - 20.0	5	mg/m ³	TWA	ACGIH
zinc resinate	68334-35-0	1.0 - 10.0	NONE	NONE	NONE	NONE
reclaim rubber	none	1.0 - 10.0	NONE	NONE	NONE	NONE
cellulose	9004-34-6	1.0 - 10.0	10	mg/m ³	TWA	ACGIH
isobutylene-isoprene polymer	9010-85-9	1.0 - 10.0	NONE	NONE	NONE	NONE
ethyl alcohol	64-17-5	1.0 - 10.0	1000	ppm	TWA	ACGIH
methyl alcohol	67-56-1	0.0 - 0.1	200	ppm	TWA	ACGIH
methyl isobutyl ketone	108-10-1	0.0 - 0.1	50	ppm	TWA	ACGIH
ethyl acetate	141-78-6	0.0 - 0.1	400	ppm	TWA	ACGIH
methyl cyclohexane	108-87-2	< 0.1	400	ppm	TWA	ACGIH

SOURCE OF EXPOSURE LIMIT DATA:
 - ACGIH: American Conference of Governmental Industrial Hygienists
 - NONE: None Established

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

- asphalt
- zinc resinate
- methyl alcohol
- methyl isobutyl ketone

2. PHYSICAL DATA	
BOILING POINT:.....	140.00 F (petroleum distillate)
VAPOR PRESSURE:.....	120.0000 mmHg @ 68F
VAPOR DENSITY:	3.00 Air = 1
EVAPORATION RATE:.....	2.50 Ether = 1
SOLUBILITY IN WATER:	Very slight
SP. GRAVITY:.....	0.800 Water = 1
PERCENT VOLATILE:	66.00 %
VOLATILE ORGANICS:	530.00 gm/l
pH:	N/A
VISCOSITY:	2500.0-3750.0 CPS
APPEARANCE AND ODOR:	Black, strong solvent odor

3. FIRE AND EXPLOSION HAZARD DATA	
FLASH POINT:.....	-14.00 F
FLAMMABLE LIMITS - LEL:	1.00 %
FLAMMABLE LIMITS - UEL:	7.00 %
AUTOIGNITION TEMPERATURE: ...	N/D

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

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

EXTINGUISHING MEDIA:

CO2, foam, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES:

Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Extremely Flammable. Overheated, closed containers adjacent to fire could explode due to internal pressure buildup.

NFPA-HAZARD-CODES: HEALTH 2 FIRE 3 REACTIVITY 0

UNUSUAL REACTION HAZARD: None

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

N/A

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

CO, CO2 and smoke particles when subjected to excessive heat or flame.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Observe precautions in all sections. Extinguish all ignition sources. Ventilate area. Cover with inorganic absorbent material. Collect spilled material. Place in a U.S. Dept. of Transportation approved metal container and seal.

RECOMMENDED DISPOSAL:

Incinerate absorbed and bulk product after mixing with flammable material in a permitted hazardous waste facility. Disposal should be in accordance with applicable regulations.
U.S. EPA Hazardous Waste Number: D001 (Ignitable).

ENVIRONMENTAL DATA:

Volatile Organic Compound (VOC):
Maximum VOC = 530 grams/liter.
Maximum VOC minus Water minus Exempt Solvents = 530 grams/liter.
VOC's were calculated according to Rule 443.1 of the South Coast Air Quality Management District (SCAQMD).

SARA HAZARD CLASS:

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

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with plenty of water for at least 10 minutes.
Call a physician.

SKIN CONTACT:

Wash with soap and water.

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6. SUGGESTED FIRST AID (continued)

INHALATION:

Remove to fresh air. Support or restore breathing as necessary.
 Call a physician.

IF SWALLOWED:

Do not induce vomiting. Give two glasses of milk or water to drink.
 Call a physician. Do not give liquids to an unconscious person. If
 spontaneous vomiting should occur, lower victim's head between the
 knees to prevent aspiration into the lungs.

OTHER FIRST AID:

NONE

7. PRECAUTIONARY INFORMATION

Keep product and its vapor away from heat, sparks and flame. The
 vapors released by this product can be easily ignited and burn
 explosively. Use only in areas with sufficient ventilation to
 maintain vapor concentrations below recommended exposure limits.
 Avoid prolonged breathing of vapors. Prevent eye contact by wearing
 eye protection such as chemical goggles or safety glasses. Avoid
 prolonged skin contact by wearing impervious gloves. Keep container
 closed when not in use. Keep out of the reach of children.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS		AUTH	
	VALUE	UNIT	TYPE	
heptane	1600	mg/m ³	TWA	ACGIH
heptane	500	ppm	STEL	ACGIH
heptane	2000	mg/m ³	STEL	ACGIH
heptane	400	ppm	TWA	OSHA
heptane	1600	mg/m ³	TWA	OSHA
heptane	500	ppm	STEL	OSHA
heptane	2000	mg/m ³	STEL	OSHA
n-hexane	180	mg/m ³	TWA	ACGIH
n-hexane	50	ppm	TWA	OSHA
n-hexane	180	mg/m ³	TWA	OSHA
cellulose	15	mg/m ³	TWA	OSHA
ethyl alcohol	1900	mg/m ³	TWA	ACGIH
ethyl alcohol	1000	ppm	TWA	OSHA
ethyl alcohol	1900	mg/m ³	TWA	OSHA
methyl alcohol	260	mg/m ³	TWA	ACGIH
methyl alcohol	250	ppm	STEL	ACGIH
methyl alcohol	310	mg/m ³	STEL	ACGIH
methyl alcohol	200	ppm	TWA	OSHA
methyl alcohol	260	mg/m ³	TWA	OSHA
methyl alcohol	250	ppm	STEL	OSHA
methyl alcohol	310	mg/m ³	STEL	OSHA
methyl isobutyl ketone	205	mg/m ³	TWA	ACGIH
methyl isobutyl ketone	75	ppm	STEL	ACGIH
methyl isobutyl ketone	300	mg/m ³	STEL	ACGIH
methyl isobutyl ketone	50	ppm	TWA	OSHA

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7. PRECAUTIONARY INFORMATION (continued)

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS		LIMITS	
	VALUE	UNIT	TYPE	AUTH
methyl isobutyl ketone	205	mg/m3	TWA	OSHA
methyl isobutyl ketone	75	ppm	STEL	OSHA
methyl isobutyl ketone	300	mg/m3	STEL	OSHA
ethyl acetate	1400	mg/m3	TWA	ACGIH
ethyl acetate	400	ppm	TWA	OSHA
ethyl acetate	1400	mg/m3	TWA	OSHA
methyl cyclohexane	1600	mg/m3	TWA	ACGIH
methyl cyclohexane	400	ppm	TWA	OSHA
methyl cyclohexane	1600	mg/m3	TWA	OSHA

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration

8. HEALTH HAZARD DATA

EYE CONTACT: May cause severe irritation.

SKIN CONTACT: May cause skin irritation on prolonged or repeated exposure. Symptoms include dryness and cracking of the skin, leading to dermatitis. Solvents may be absorbed through the skin in harmful amounts.

INHALATION: Vapor concentrations above the established exposure limits may cause respiratory system irritation and nervous system impairment. Symptoms of overexposure include dizziness, giddiness, fatigue, and anemia. There is some evidence of memory loss and personality changes in humans. There is evidence of hearing loss in animal studies. Repeated or extreme overexposure to n-hexane vapors may cause nervous system damage.

INGESTION: May cause digestive system irritation with nausea, vomiting, diarrhea, and nervous system impairment. Symptoms include sleepiness, giddiness, slurred speech, and in the extreme loss of consciousness and coma. Solvent aspiration into the lungs due to vomiting may cause lung damage and in the extreme may be fatal...

NOTES: The component asphalt under special conditions may possess a skin cancer potential in laboratory animals.

OTHER: These effects are not expected under the conditions of product intended use.

SECTION CHANGE DATES

ENVIRON. DATA SECTION CHANGED SINCE APRIL 12, 1989 ISSUE

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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.

3M General Offices
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Duns No.: 00-617-3082

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DIVISION: ADHESIVES, COATINGS AND SEALERS
TRADE NAME: 3M Super Silicone (White) Part No. 08665
3M I.D. NUMBER: 62-5249-5209-0
ISSUED: MAY 18, 1987
SUPERSEDES: MARCH 22, 1986
DOCUMENT: 10-5925-2

1. INGREDIENTS	C.A.S. NO.	PERCENT	EXPOSURE LIMITS
silicone rubber*	N/A	100.0	N/D 5
*releases acetic acid vapors during cure	64-19-7		10 ppm 1

SOURCE OF EXPOSURE LIMIT DATA:
1. ACGIH Threshold Limit Values
2. Federal OSHA Permissible Exposure Limit
3. 3M Exposure Guidelines
4. Chemical Manufacturer Recommended Guidelines
5. None Established

ABBREVIATIONS:
N/D - Not Determined
N/A - Not Applicable

2. PHYSICAL DATA	
BOILING POINT:	N/A
VAPOR PRESSURE:	<5mm
VAPOR DENSITY (Air=1):	N/A
EVAPORATION RATE (Ether=1):	<1
APPEARANCE AND ODOR:	Clear paste -- acetic acid type odor
SOLUBILITY IN WATER:	<0.1%
SP. GRAVITY (Water=1):	1.05
PERCENT VOLATILE:	0.0%
VISCOSITY:	Paste
pH:	N/A