

JUL 16 1997

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DOW CORNING CORPORATION
MATERIAL SAFETY DATA SHEET

DOW CORNING(R) 1-2531 RELEASE COATING

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION		
Dow Corning Corporation South Saginaw Road Midland, Michigan 48686	24 Hour Emergency Telephone: (517) 496-5900 Product Information: (517) 496-6000 Product Disposal Information: (517) 496-5813 Transportation Information: (517) 496-8577 CHEMTREC: (800) 424-9300	
MSDS No: 01558285	Print Date: 01/23/94	Last Revised: 01/21/94
Generic Description: <u>Silicone resin</u> Physical Form: Liquid Color: Amber Odor: Solvent odor NFPA Profile: Health NA Flammability 3 Reactivity 0		
Note: NFPA = National Fire Protection Association		

SECTION 2. HAZARDOUS COMPONENTS			
CAS Number	Wt%	Component	Exposure Limits
000100414	1	Ethylbenzene	OSHA PEL and ACGIH TLV: TWA 100 ppm; ACGIH STEL 125 ppm.
000107982	13	Propylene glycol methyl ether	ACGIH TLV: TWA 100 ppm, STEL 150 ppm.
000108883	13	Toluene	OSHA PEL: TWA 200 ppm, Ceiling 300 ppm, max. 500 ppm. ACGIH TLV-skin: TWA 50 ppm.
001330207	3	Xylene	OSHA PEL and ACGIH TLV: TWA 100 ppm; ACGIH STEL 150 ppm.
064742898	36	Light aliphatic petroleum solvent naphtha	Observe petroleum distillates limits. OSHA PEL: TWA 500 ppm.
000097858	13	Isobutyl isobutyrate	None established.
Comments: The above ingredients are hazardous as defined in 29 CFR 1910.1200.			

SECTION 3. EFFECTS OF OVEREXPOSURE

Acute Effects

Eye: Vapors may irritate and cause pain and watering. Direct contact may irritate seriously with moderate to severe redness, swelling and some corneal injury lasting several days to a week.

Skin: A single short exposure (less than 24 hours) may irritate. Repeated prolonged contact (24 to 48 hours) may irritate moderately.

Inhalation: Short vapor exposure may cause drowsiness, irritate nose and throat and cause injury to the following organ(s): Blood. Lungs. Liver. Kidneys. Nervous system.

Oral: Inhaling liquid while vomiting can injure lungs seriously. Small amounts transferred to the mouth by fingers during use, etc., should not injure. Swallowing large amounts may injure slightly.

Repeated Exposure Effects

Skin: None Known.

Inhalation: Short vapor exposure may cause drowsiness, irritate nose and throat and cause injury to the following organ(s): Blood. Lungs. Liver. Kidneys. Nervous system.

Oral: Small amounts transferred to the mouth by fingers during use, etc., should not injure. Swallowing large amounts may injure slightly.

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Special Hazards

This material contains the following components with the special hazards listed below.

Carcinogens

None Known

Teratogens

None Known

Mutagens

None Known

Reproductive Toxins

000108883 13 Toluene Possible Reproduction Hazard.

Sensitizers

None Known

Comments:

Toxicology studies with laboratory animals and occupational evaluations with humans have found limited evidence of birth defects, low birth weights and delayed growth in offspring resulting from repeated exposures to toluene during pregnancy. When heated to temperatures above 150 degrees in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer; and an irritant to the eyes, nose, throat, skin, and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA Permissible Exposure Limit for formaldehyde.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions component data and/or expert review of the product.

SECTION 4. FIRST AID MEASURES

Eye: Immediately flush with water for 15 minutes. Get medical attention.
Skin: Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.
Inhalation: Remove to fresh air. Get medical attention if ill effects persist.
Oral: Get medical attention. Do not induce vomiting.
Comments: Treat according to person's condition and specifics of exposure.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point (Method): 55.40 DEGREE F / 13.00 DEGREE C
Autoignition Temperature: Not Determined
Flammability Limits in Air: Not Determined
Extinguishing Media: Carbon dioxide (CO2). Water fog (or spray). Dry chemical. Foam.
Unsuitable Extinguishing Media: Water.
Fire Fighting Procedures: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. If large amount is involved, evacuate area. Heat exposure pressurizes closed containers. Cool with water spray.

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Unusual Fire Hazards:

Vapors are heavier than air and can travel along ground to remote ignition sources. Static electricity may accumulate and ignite vapors. Prevent a possible fire hazard by suitable means, such as, bonding and grounding, inert gas purge, vapor dilution, and the like.

Hazardous Decomposition Products:

Formaldehyde. Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Metal oxides.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Containment/Clean-up: Disposal of collected product, residues, and cleanup materials may be governmentally regulated. Observe all applicable local, state, and federal waste management regulations. Remove possible ignition sources and if needed, use nonsparking tools and equipment. To prevent possible spontaneous combustion, store rags, mops, absorbent, etc., used during cleanup only in appropriate containers or covered with water. Determine whether to evacuate or isolate the area depending on such specific factors as site location, population density, traffic flow, size of the release or spill, weather conditions, the material's hazards and risks to people, and whether a fire is underway or possible. Mop up, or wipe up, or soak up with absorbent and contain for salvage or disposal. For large spills, provide diking or other appropriate containment to keep material from spreading. Clean any remaining slippery surfaces by appropriate techniques, such as: several moppings or swabbings with appropriate solvents; washing with mild, caustic detergents or solutions; or high pressure steam for large areas. For nonsilicones, use typical industrial cleaning materials. Observe any safety precautions applicable to the cleaning material being used. Observe all personal protection equipment recommendations described in Sections 5 and 8. Local, state, and federal reporting requirements may apply to spills or releases of this material into the environment. See applicable regulatory compliance information in Section 15.

NOTE: See Section 8 for Personal Protective Equipment for Spills

SECTION 7. HANDLING AND STORAGE

Handling: No special precautions.

Storage: Keep container closed and away from heat, sparks, and open flame.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Local exhaust: Recommended
General Ventilation: Recommended

Personal Protective Equipment For Routine Handling

Eyes: Use chemical worker's goggles.

Skin: Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

Suitable Gloves: Eval/Unknown (Silver Shield(R), Barricade(R), Responder(R), Chemrel(R)) PE/Eval/PE (Safety4-4H(R)).

Inhalation: Use respiratory protection unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines. Industrial Hygiene

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OPTIONAL SECTION - Complete information not yet available.

Call Dow Corning Environmental Mgmt. (517)496-6315, if more information is desired.

SECTION 14. TRANSPORT INFORMATION

DOT Information (49CFR 172.101)

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.

Hazard Technical Name: TOLUENE/NAPHTHA

Hazard Class: 3

UN/NA Number: UN1993

Packing Group: II

Call Dow Corning Transportation, (517)496-8577, if additional information is required.

SECTION 15. REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

TSCA Status: All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

EPA SARA Title III Chemical Listings:

Section 302 Extremely Hazardous Substances:
None

Section 304 CERCLA Hazardous Substances:

000100414	1	Ethyl benzene	1000.00 LB RQ
000108883	13	Toluene	1000.00 LB RQ
001330207	3	Xylene	1000.00 LB RQ

Section 312 Hazard Class:

Acute: Y
Chronic: Y
Fire: Y
Pressure: N
Reactive: N

Y = Yes N = No

Section 313 Toxic Chemicals:

001330207	3	XYLENE (MIXED ISOMERS)
000108883	13	TOLUENE
000100414	1	ETHYL BENZENE

Supplemental State Compliance Information

<u>CAS Number</u>	<u>Wt%</u>	<u>Component</u>
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California

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer.

000075569	<	.1	Propylene oxide
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