

**MATERIAL SAFETY DATA SHEET**

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**Vendor Update:** 3/7/2003  
**Date Prepared:** 6/27/2003  
**MSDS Number:** 44NC ;

**I. CHEMICAL PRODUCT IDENTIFICATION**

**Product Name:** BLACK AUTOMOTIVE SILICONE  
**HMIS Ratings:**  
**NFPA Ratings:**

**Other:** EMERGENCY OVERVIEW:  
 BLACK COLORED PASTE. IF INHALED CAN CAUSE HEADACHE, DIZZINESS, IRRITATION TO THE RESPIRATORY SYSTEM. LEAVE AREA TO BREATHE FRESH AIR. AVOID FURTHER OVEREXPOSURE. IF SYMPTOMS PERSIST, GET MEDICAL ATTENTION IMMEDIATELY.

**II. COMPOSITION, INFORMATION ON INGREDIENTS**

<b>Chemical Ingredients</b>	<b>C.A.S. Number</b>	<b>% By Weight</b>	<b>ACGIH TLV TWA/STEL</b>	<b>OSHA PEL TWA/STEL</b>	<b>Other TWA/STEL</b>	<b>LD50</b>	<b>LC50</b>
SILICONE POLYMER	TRADE SECRET	55 – 65					
<b>Notes</b>							
POLYDIMETHYLSILOXANE, TRIMETHYL ENDCAP	63148-62-9	20 – 30					
<b>Notes</b>							
SILICA, AMORPHOUS, FUMED	112945-52-5	5 – 10	10 MG/M <sup>3</sup> TOTAL NUISANCE DUST	15 MG/M <sup>3</sup> TOTAL NUISANCE DUST			
<b>Notes</b>							
OXIMINO SILANE	TRADE SECRET	1 – 5					
<b>Notes</b>							
SILANE	TRADE SECRET	1 – 5					
<b>Notes</b>							
VINYLOXIMINOSILANE	2224-33-1	1 – 5					
<b>Notes</b>							

**III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY**

**Eyes:** CAN CAUSE SEVERE IRRITATION.

**Skin:** CAN CAUSE IRRITATION, POSSIBLE DERMAL SENSITIZATION. METHYL ETHYL KETOXIME MAY BE ABSORBED THROUGH THE SKIN.

**Ingestion:** CAN CAUSE GASTROINTESTINAL IRRITATION.

**Inhalation:** CAN CAUSE HEADACHE, DIZZINESS, NAUSEA, DROWSINESS, STUPOR, IRRITATION TO RESPIRATORY SYSTEM.

**Signs and Symptoms of Exposure:**

**IV. FIRST AID MEASURES**

<b>Eyes:</b>	FLUSH IMMEDIATELY WITH RUNNING WATER FOR 15 MINUTES, LIFTING THE UPPER AND LOWER LIDS OCCASIONALLY. GET MEDICAL ATTENTION IMMEDIATELY.
<b>Skin:</b>	WASH AREA OF CONTACT THOROUGHLY WITH HAND CLEANER FOLLOWED BY SOAP AND WATER. IF IRRITATION, RASH OR OTHER DISORDERS DEVELOP, GET MEDICAL ATTENTION IMMEDIATELY.
<b>Ingestion:</b>	GET MEDICAL ATTENTION IMMEDIATELY.
<b>Inhalation:</b>	LEAVE AREA TO BREATHE FRESH AIR. AVOID FURTHER OVEREXPOSURE. IF SYMPTOMS PERSIST, GET MEDICAL ATTENTION IMMEDIATELY.

**V. FIRE FIGHTING MEASURES**

<b>Flash Point:</b>	271°F (133°C)
<b>Test Method:</b>	TCC
<b>Lower Flammability Limit:</b>	NOT AVAILABLE
<b>Upper Flammability Limit:</b>	NOT AVAILABLE
<b>Extinguishing Agents:</b>	WATER FOG.
<b>Unusual Fire or Explosion Hazards:</b>	NOT APPLICABLE.
<b>Fire Fighting Procedures:</b>	DURING A FIRE, PERSONNEL AT THE SCENE ARE TO PREVENT EXPOSURE TO FUMES USING ACCEPTED FIRE FIGHTING TECHNIQUES.
<b>Other:</b>	OTHER PRECAUTIONS: NOT APPLICABLE.

**VI. ACCIDENTAL RELEASE MEASURES**

<b>Containment/Cleanup:</b>	ABSORB SPILL IN SAND, EARTH OR OTHER SUITABLE MATERIAL. TRANSFER TO APPROPRIATE CONTAINER FOR DISPOSAL.
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**VII. HANDLING AND STORAGE**

<b>Other:</b>	STORE UNDER NORMAL WAREHOUSE CONDITIONS. PREVENT INHALATION OF VAPOR, INGESTION, AND CONTACT WITH SKIN AND EYES. KEEP CONTAINER CLOSED WHEN NOT IN USE. PRECAUTIONS ALSO APPLY TO EMPTIED CONTAINERS. CHANGE SOILED WORKCLOTHES FREQUENTLY. CLEAN HANDS THOROUGHLY AFTER HANDLING. PERSONAL PROTECTIVE EQUIPMENT MUST BE WORN DURING MAINTENANCE OR REPAIR OF CONTAMINATED MIXER, REACTOR, OR OTHER EQUIPMENT.
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**VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Eyes:</b>	WEAR SUITABLE SAFETY EYEWEAR.
<b>Skin:</b>	PROTECT HANDS WITH IMPERVIOUS RUBBER GLOVES AND WEAR TYPICAL FULL COVER CLOTHING. PREVENT CONTACT WITH SKIN. FACE: NOT REQUIRED.

**Respiratory:** WEAR NIOSH/OSHA APPROVED RESPIRATOR AS DIRECTED BY THE MANUFACTURER WHEN THE VENTILATION IS NOT ADEQUATE TO KEEP VAPOR CONCENTRATIONS BELOW EXPOSURE LIMITS.

**Engineering:** USE LOCAL EXHAUST WHEN THE GENERAL VENTILATION IS NOT ADEQUATE.

#### IX. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** BLACK PASTE  
**Boiling Point:** NOT AVAILABLE  
**Freezing Point:** NOT AVAILABLE  
**pH:** NOT AVAILABLE  
**Solubility in Water:** NEGLIGIBLE  
**Specific Gravity:** 1.004  
**Vapor Pressure:** NOT AVAILABLE  
**Vapor Density:** NOT AVAILABLE  
**Physical State:** PASTE  
**Volatile Content:** % VOLATILE WEIGHT: 0 %

#### X. STABILITY AND REACTIVITY

**Stability:** STABLE.

**Hazardous Polymerization:** WILL NOT OCCUR.

**Incompatible Products:** AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

#### XI. TOXICOLOGICAL INFORMATION

#### XII. ECOLOGICAL INFORMATION

#### XIII. DISPOSAL CONSIDERATIONS

**Disposal Method:** NOT REGULATED BY RCRA. DISPOSE OF IN COMPLIANCE WITH STATE AND LOCAL REGULATIONS.

**RCRA Class:** NOT AVAILABLE

#### XIV. TRANSPORT INFORMATION

**D.O.T. Shipping Name:** NOT REGULATED

#### XV. REGULATORY INFORMATION

**TSCA Status:** ON THE TSCA INVENTORY.

**EPA Sara Title III Chemical Listings:** SARA 311 RATINGS: IMMEDIATE HEALTH HAZARD: NO <BR> DELAYED HEALTH HAZARD: YES <BR> FIRE HAZARD: NO <BR> REACTIVITY HAZARD: NO <BR> SUDDEN RELEASE OF PRESSURE HAZARD: NO <BR> NO SARA 313 INGREDIENTS.

**California:** NO PROPOSITION 65 INGREDIENTS.

#### XVI. OTHER INFORMATION

**WARRANTY INFORMATION**

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.