

**MATERIAL SAFETY DATA SHEET**

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**Vendor Update:** 10/9/2002  
**Date Prepared:** 10/9/2002  
**MSDS Number:** S209 ;

**I. CHEMICAL PRODUCT IDENTIFICATION**

**Product Name:** MIRROR EDGE SEALANT  
**HMIS Ratings:**

Health: Moderate(2)  
 Flammability: Extreme(4)  
 Instability/Reactivity: Minimal(0)  
 Personal Protective Equipment: B

**NFPA Ratings:**

**II. COMPOSITION, INFORMATION ON INGREDIENTS**

Chemical Ingredients	A.S. Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
TRICHLOROETHYLENE	7001-60-0	25-35	50 PPM	50 PPM		>4.9 G/KG	
<b>Notes</b>							
ACETONE	64-1	10-20	750 PPM	750 PPM		5.8 G/KG	
<b>Notes</b>							
VMPN	8011-4	15-25	300 PPM	300 PPM		N/D	
<b>Notes</b>							
MINTH SPIRITS	641-65-7	2-10	100 PPM	500 PPM		>25 ML/KG	
<b>Notes</b> STODDARD SOLVENT USED AS A GUIDE.							
LIQUID PETROLEUM GAS	6476-85-7	20-30	1000 PPM	1000 PPM		N/A	
<b>Notes</b>							
<b>Other:</b> UNIDENTIFIED INGREDIENTS ARE NOT CONSIDERED HAZARDOUS UNDER THE FEDERAL HAZARD COMMUNICATION STANDARD.  COMPONENTS LISTED AS A SUSPECTED CARCINOGEN: THIS PRODUCT CONTAINS, TRICHLOROETHYLENE, A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS AND OTHER REPRODUCTIVE HARM.   IARC HAS DETERMINED THAT TRICHLOROETHYLENE MAY CAUSE CANCER IN HUMANS BASED ON ANIMAL DATA.							

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

**Eyes:** EYE CONTACT WILL RESULT IN IRRITATION.

**Skin:** PROLONGED OR REPEATED CONTACT WITH SKIN CAN CAUSE DEFATING AND DRYING OF SKIN, IRRITATION AND DERMATITIS.

**Ingestion:** INGESTION MAY RESULT IN VOMITING.

**Inhalation:** BREATHING OF LIQUID INTO LUNGS MUST BE AVOIDED.

**Signs and Symptoms of Exposure:** HIGHER CONCENTRATIONS OR PROLONGED EXPOSURE TO LOWER CONCENTRATIONS MAY BE IRRITATING TO THE MUCUOUS MEMBRANES.

**Medical Conditions Aggravated by Exposure:** PRE-EXISTING SKIN OR EYE AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

#### IV. FIRST AID MEASURES

**Eyes:** FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

**Skin:** REMOVE CONTAMINATED CLOTHING. FLUSH SKIN WITH WATER, FOLLOW BY WASHING WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. DO NOT REUSE CLOTHING UNTIL CLEANED.

**Ingestion:** GET MEDICAL ATTENTION.

**Inhalation:** REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.

#### V. FIRE FIGHTING MEASURES

**Lower Flammability Limit:** 1.8 %

**Upper Flammability Limit:** 9.5 %

**Extinguishing Agents:** CARBON DIOXIDE, FOAM AND/OR DRY CHEMICAL MAY BE USED.

**Unusual Fire or Explosion Hazards:** AT ELEVATED TEMPERATURES (OVER 54°C–130°F) CONTAINERS EXPOSED TO DIRECT FLAME OR HEAT CONTACT SHOULD BE COOLED WITH WATER TO PREVENT WEAKENING OF CONTAINER STRUCTURE.

**Fire Fighting Procedures:** CONTAINERS SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILD UP. USE EQUIPMENT OR SHIELDING, AS REQUIRED, TO PROTECT PERSONNEL FROM BURSTING, RUPTURING OR VENTING CONTAINERS.

**Other:** AEROSOL FLAMMABILITY: THIS PRODUCT IS CONSIDERED TO BE EXTREMELY FLAMMABLE AS DESCRIBED IN 16CFR 1500.45.

#### VI. ACCIDENTAL RELEASE MEASURES

**Containment/Cleanup:** REMOVE ALL SOURCES OF IGNITION AND VENTILATE AREA. SOAK UP SPILL WITH AN INERT ABSORBENT AND PLACE INTO A DESIGNATED DISPOSAL CONTAINER. CONSULT LOCAL REGULATORY AGENCY FOR PROPER DISPOSITION OF MATERIAL.

**Other:** OTHER PRECAUTIONS: PLEASE READ AND FOLLOW THE DIRECTIONS ON THE PRODUCT LABEL; THEY ARE YOUR BEST GUIDE TO USING THIS PRODUCT IN THE MOST EFFECTIVE WAY, AND GIVE THE NECESSARY SAFETY PRECAUTIONS TO PROTECT YOUR HEALTH.

#### VII. HANDLING AND STORAGE

**Other:** AVOID BREATHING VAPOR. KEEP AWAY FROM HEAT AND FLAME. USE WITH ADEQUATE VENTILATION, DO NOT PUNCTURE OR INCINERATE CONTAINERS. DO NOT EXPOSE TO DIRECT SUNLIGHT OR STORE AT TEMPERATURES ABOVE 130°F (54°C). STORE AS LEVEL 3 AEROSOL (NFPA 30B).

#### VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Eyes:</b>	CHEMICAL SAFETY GLASS ARE RECOMMENDED.
<b>Skin:</b>	PROTECTIVE GLOVES: CHEMICAL RESISTANT GLOVES.  OTHER PROTECTIVE CLOTHING AND EQUIPMENT: WEAR IMPERVIOUS CLOTHING TO PREVENT SKIN CONTACT.
<b>Respiratory:</b>	NONE REQUIRED IF GOOD VENTILATION IS MAINTAINED. IF EXPOSURE EXCEEDS OCCUPATIONAL EXPOSURE LIMITS (SEC.II). USE A NIOSH APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE.
<b>Engineering:</b>	LOCAL EXHAUST IS ADEQUATE UNDER NORMAL CONDITIONS, MECHANICAL VENTILATION IS OPTIONAL.
<b>Other:</b>	WORK/HYGIENIC PRACTICES: ENSURE STRICT SANITARY CONDITIONS ARE CONFORMED TO WHEN WORKING AROUND CHEMICALS. PROTECTIVE CLOTHING AND EQUIPMENT SHOULD BE IN ACCORDANCE WITH 29 CFR 1910.132 AND CFR 1910.133.

#### IX. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	CLEAR LIQUID
<b>Boiling Point:</b>	NA
<b>Solubility in Water:</b>	SLIGHT
<b>Specific Gravity:</b>	<1.0 (H <sub>2</sub> O=1)
<b>Vapor Pressure:</b>	90 (±5) PSIG @ 130°F
<b>Vapor Density:</b>	>1 (AIR=1)
<b>Other:</b>	EVAPORATION RATE (ETHER = 1): <1

#### X. STABILITY AND REACTIVITY

<b>Stability:</b>	STABLE
<b>Hazardous Polymerization:</b>	N/A
<b>Hazardous Decomposition Products:</b>	HYDROGEN CHLORIDE, PHOSGENE, OXIDES OF CARBON AND ADDITIONAL TOXIC CHEMICALS MAY BE FORMED IN SMALL AMOUNTS.
<b>Incompatible Products:</b>	OXIDIZING AGENTS.
<b>Conditions To Avoid:</b>	DO NOT STORE ABOVE 54°C–130°F. KEEP AWAY FROM HEAT, DIRECT SUNLIGHT, OPEN FLAMES OR SPARKS. DROPPING OF CONTAINERS MAY CAUSE BURSTING.

#### XI. TOXICOLOGICAL INFORMATION

#### XII. ECOLOGICAL INFORMATION

**Ecotoxicity:**

#### XIII. DISPOSAL CONSIDERATIONS

<b>Disposal Method:</b>	DO NOT PUNCTURE OR INCINERATE CONTAINERS. WHEN CONTENTS ARE DEPLETED CONTINUE TO DEPRESS BUTTON UNTIL ALL GAS IS EXPELLED. DISPOSE OF CONTAINER IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
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#### XIV. TRANSPORT INFORMATION

<b>D.O.T. Shipping Name:</b>	CONSUMER COMMODITY
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**D.O.T. Hazard Class:** ORM-D

**XV. REGULATORY INFORMATION**

**TSCA Status:** GOVERNMENTAL LISTINGS: INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.

**EPA Sara Title III Chemical** SEC. 313 – chemical TRICHLOROETHYLENE (CAS#79-01-6) YES.

**Listings:**

**Supplemental State**

**Compliance Information:**

**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.