MATERIAL SAFETY DATA SHEET

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Vendor Update: 9/11/2012
Date Prepared: 1/8/2013
MSDS Number: S209

I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: MIRROR EDGE SEALANT
HMIS Ratings:
  Health: Moderate(2)
  Flammability: Serious(3)
  Instability/Reactivity: Minimal(0)
Personal Protective Equipment: B

NFPA Ratings:

Other: EMERGENCY OVERVIEW:
EXTREMELY FLAMMABLE. CONTENTS UNDER PRESSURE. AEROSOL. WILL BE
EASILY IGNITED BY HEAT, SPARK OR FLAMES. CANCER HAZARD. IRRITATING
TO SKIN. IRRITATING TO EYES. IRRITATING TO RESPIRATORY SYSTEM.
PROLONGED EXPOSURE MAY CAUSE CHRONIC EFFECTS.

II. COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Ingredients</th>
<th>C.A.S. Number</th>
<th>% By Weight</th>
<th>ACGIH TLV TWA/STEL</th>
<th>OSHA PEL TWA/STEL</th>
<th>Other TWA/STEL</th>
<th>LD50</th>
<th>LC50</th>
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<tr>
<td>TRICHLOROETHYLENE</td>
<td>79−01−6</td>
<td>20 − 30</td>
<td>10 PPM</td>
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<td>ACETONE</td>
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<td>LIGHT ALIPHATIC SOLVENT NAPTHA</td>
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III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

**Eyes:**
CAUSES EYE IRRITATION.

**Skin:**
IRRITATING TO SKIN. PROLONGED OR REPEATED CONTACT CAN RESULT IN DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS (RASH).

**Ingestion:**
EXPOSURE BY INGESTION OF AN AEROSOL IS UNLIKELY. MAY CAUSE DELAYED LUNG DAMAGE. COMPONENTS OF THE PRODUCT MAY BE ABSORBED INTO THE BODY BY INGESTION.

**Inhalation:**
INTENTIONAL MISUSE BY CONCENTRATING AND INHALING THE PRODUCT CAN BE HARMFUL OR FATAL. IRRITATING TO RESPIRATORY SYSTEM. PROLONGED INHALATION MAY BE HARMFUL.

**Other:**
ROUTES OF EXPOSURE
SKIN CONTACT. INHALATION. INGESTION.

IV. FIRST AID MEASURES

**Eyes:**
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. GET MEDICAL ATTENTION IMMEDIATELY.

**Skin:**
REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES. WASH OFF WITH WARM WATER AND SOAP. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. FOR MINOR SKIN CONTACT, AVOID SPREADING MATERIAL ON UNAFFECTED SKIN.

**Ingestion:**
IF MATERIAL IS INGESTED, IMMEDIATELY CONTACT A POISON CONTROL CENTER. HAVE VICTIM RINSE MOUTH THOROUGHLY WITH WATER. DO NOT INDUCE VOMITING WITHOUT ADVICE FROM POISON CONTROL CENTER. IF VOMITING OCCURS NATURALLY, HAVE VICTIM LEAN FORWARD TO REDUCE RISK OF ASPIRATION. DO NOT USE MOUTH−TO−MOUTH METHOD IF VICTIM INGESTED THE SUBSTANCE. INDUCE ARTIFICIAL RESPIRATION WITH THE AID OF A POCKET MASK EQUIPPED WITH A ONE−WAY VALVE OR OTHER PROPER RESPIRATORY MEDICAL DEVICE.

**Inhalation:**
MOVE TO FRESH AIR. OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. DO NOT USE MOUTH−TO−MOUTH METHOD IF VICTIM INHALED THE SUBSTANCE. INDUCE ARTIFICIAL RESPIRATION WITH THE AID OF A POCKET MASK EQUIPPED WITH A ONE−WAY VALVE OR OTHER PROPER RESPIRATORY MEDICAL DEVICE. CALL A PHYSICIAN IF SYMPTOMS DEVELOP OR PERSIST.

V. FIRE FIGHTING MEASURES

**Flash Point:**
−156°F (−104.4°C) PROPELLANT

**Extinguishing Agents:**
ALCOHOL FOAM. DRY CHEMICAL. CARBON DIOXIDE (CO2). DO NOT USE WATER JET.

**Unusual Fire or Explosion Hazards:**
VAPOR OR GAS MAY SPREAD TO DISTANT IGINITION SOURCES AND FLASH BACK. RUNOFF TO SEWER MAY CAUSE FIRE OR EXPLOSION HAZARD.

**Fire Fighting Procedures:**
IN THE EVENT OF FIRE AND/OR EXPLOSION DO NOT BREATHE FUMES. WEAR FULL PROTECTIVE CLOTHING, INCLUDING HELMET, SELF−CONTAINED POSITIVE PRESSURE OR PRESSURE DEMAND BREATHING APPARATUS,
PROTECTIVE CLOTHING AND FACE MASK. CONTAINERS SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILD UP. FOR MASSIVE FIRE, USE UNMANNED HOSE HOLDERS OR MONITOR NOZZLES; IF THIS IS IMPOSSIBLE, WITHDRAW FROM AREA AND LET FIRE BURN.

**Other:**

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL FIRE MAY PRODUCE IRRITATING, CORROSIVE AND/OR TOXIC GASES.

### VI. ACCIDENTAL RELEASE MEASURES

**Containment/Cleanup:**

METHODS FOR CONTAINMENT
ELIMINATE ALL IGNITION SOURCES (NO SMOKING, FLARES, SPARKS, OR FLAMES IN IMMEDIATE AREA). STOP LEAK IF YOU CAN DO SO WITHOUT RISK. MOVE THE CYLINDER TO A SAFE AND OPEN AREA IF THE LEAK IS IRREPARABLE. STOP THE FLOW OF MATERIAL, IF THIS IS WITHOUT RISK. PREVENT ENTRY INTO WATERWAYS, SEWERS, BASEMENTS OR CONFINED AREAS.

METHODS FOR CLEAN UP
SHOULD NOT BE RELEASED INTO THE ENVIRONMENT. USE NON-COMBUSTIBLE MATERIAL LIKE VERMICULITE, SAND OR EARTH TO SOAK UP THE PRODUCT AND PLACE INTO A CONTAINER FOR LATER DISPOSAL. SMALL SPILLS: WIPE UP WITH ABSORBENT MATERIAL (E.G. CLOTH, FLEECE). CLEAN CONTAMINATED SURFACES THOROUGHLY.

### VII. HANDLING AND STORAGE

**Other:**

HANDLING
PRESSURIZED CONTAINER: DO NOT PIERCE OR BURN, EVEN AFTER USE. DO NOT HANDLE OR STORE NEAR AN OPEN FLAME, HEAT OR OTHER SOURCES OF IGNITION. DO NOT USE IF SPRAY BUTTON IS MISSING OR DEFECTIVE. USE ONLY WITH ADEQUATE VENTILATION. DO NOT GET THIS MATERIAL IN CONTACT WITH EYES. DO NOT GET THIS MATERIAL IN CONTACT WITH SKIN. WEAR PERSONAL PROTECTIVE EQUIPMENT. AVOID PROLONGED EXPOSURE.

STORAGE
LEVEL 2 AEROSOL CONTENTS UNDER PRESSURE. DO NOT PUNCTURE, INCINERATE OR CRUSH. THE PRESSURE IN SEALED CONTAINERS CAN INCREASE UNDER THE INFLUENCE OF HEAT. KEEP AWAY FROM HEAT, SPARKS, AND FLAME. AVOID EXPOSURE TO LONG PERIODS OF SUNLIGHT. STORE IN A COOL PLACE. KEEP IN AN AREA EQUIPPED WITH SPRINKLERS. KEEP OUT OF THE REACH OF CHILDREN. DO NOT STORE, INCINERATE, OR HEAT THIS MATERIAL ABOVE 120 DEGREES FAHRENHEIT.

### VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:**

WEAR CHEMICAL GOGGLES.

**Skin:**

WEAR APPROPRIATE CHEMICAL RESISTANT GLOVES. WEAR APPROPRIATE CHEMICAL RESISTANT CLOTHING.

**Respiratory:**

WHEN WORKERS ARE FACING CONCENTRATIONS ABOVE THE EXPOSURE LIMIT THEY MUST USE APPROPRIATE CERTIFIED RESPIRATORS. IF PERMISSIBLE LEVELS ARE EXCEEDED USE NIOSH MECHANICAL FILTER/ORGANIC VAPOR CARTRIDGE OR AN AIR-SUPPLIED RESPIRATOR.

### IX. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:**

CLEAR COMPRESSED LIQUEFIED GAS

**Boiling Point:**

113°F (45°C) ESTIMATED

**pH:**

NOT APPLICABLE

**Solubility in Water:**

PARTIALLY

MATERIAL SAFETY DATA SHEET
**Specific Gravity:** 0.7831 ESTIMATED
**Vapor Pressure:** 55 – 75 PSIG @ 70°F
**Physical State:** LIQUID; FORM: AEROSOL
**Other:** FLAMMABILITY (HOC): 29.6273 KJ/G ESTIMATED
FLASH BACK: YES.

### X. STABILITY AND REACTIVITY

**Stability:** RISK OF IGNITION.

**Hazardous Decomposition** IRRITANTS. TOXIC GAS. MAY INCLUDE OXIDES OF NITROGEN.

**Products:**

**Conditions To Avoid:** HEAT, FLAMES AND SPARKS.

### XI. TOXICOLOGICAL INFORMATION

**Acute Toxicology Data:** ACUTE EFFECTS:
ACUTE LD50: 14075 MG/KG ESTIMATED, RAT, DERMAL.

**Component Toxicology Information:**
COMPONENT ANALYSIS: LD50

TOXICOLOGY DATA – SELECTED LD50S AND LC50S
ACETONE, CAS# 67–64–1; ORAL LD50 RAT 5800 MG/KG
ETHYL BENZENE, CAS# 100–41–4; INHALATION LC50 RAT 17.2 MG/L 4 H; ORAL LD50 RAT 3500 MG/KG; DERMAL LD50 RABBIT 15354 MG/KG
LIGHT ALIPHATIC SOLVENT NAPTHA, CAS# 64742–89–8; ORAL LD50 MOUSE 5000 MG/KG; DERMAL LD50 RABBIT 3000 MG/KG
N−BUTANE, CAS# 106–97–8; INHALATION LC50 RAT 658 MG/L 4 H
ODORLESS MINERAL SPIRITS, CAS# 64742–48–9; ORAL LD50 RAT >5000 MG/KG; DERMAL LD50 RABBIT >3160 MG/KG
PROPANE, CAS# 74–98–6; INHALATION LC50 RAT 658 MG/L 4 H
TRICHLOROETHYLENE, CAS# 79–01–6; INHALATION LC50 RAT 8000 PPM 4 H; INHALATION LC50 RAT 26300 PPM 1 H; ORAL LD50 RAT 4290 MG/KG; DERMAL LD50 RABBIT >20 G/KG
VM&P NAPHTHA, CAS# 8032–32–4; INHALATION LC50 RAT 3400 PPM 4 H
XYLENE, CAS# 1330–20–7; INHALATION LC50 RAT 9000 PPM 4 H; INHALATION LC50 RAT 47635 MG/L 4 H; ORAL LD50 RAT 4300 MG/KG; DERMAL LD50 RABBIT >1700 MG/KG

**Special Hazard Information:**
SENSITIZATION: NOT EXPECTED TO BE HAZARDOUS BY OSHA CRITERIA.
CARCINOGENICITY: HAZARDOUS BY OSHA CRITERIA.
IARC−GROUP 2A (PROBABLY CARCINOGENIC TO HUMANS)
TRICHLOROETHYLENE, CAS# 79–01–6; MONOGRAPH 63 [1995]; SUPPLEMENT 7 [1987]
IARC−GROUP 2B (POSSIBLY CARCINOGENIC TO HUMANS)
ETHYL BENZENE, CAS# 100–41–4; MONOGRAPH 77 [2000]
REPRODUCTIVE EFFECTS: COMPONENTS IN THIS PRODUCT HAVE BEEN SHOWN TO CAUSE BIRTH DEFECTS AND REPRODUCTIVE DISORDERS IN LABORATORY ANIMALS.
TERATOGENICITY: NOT EXPECTED TO BE HAZARDOUS BY OSHA CRITERIA.
COMPONENTS IN THIS PRODUCT HAVE BEEN SHOWN TO CAUSE BIRTH DEFECTS AND REPRODUCTIVE DISORDERS IN LABORATORY ANIMALS.

### XII. ECOLOGICAL INFORMATION

**Environmental Fate and Distribution:** COMPONENTS OF THIS PRODUCT ARE HAZARDOUS TO AQUATIC LIFE.

### XIII. DISPOSAL CONSIDERATIONS
**Disposal Method:** CONTENTS UNDER PRESSURE. DO NOT PUNCTURE, INCINERATE OR CRUSH. DISPOSE OF THIS MATERIAL AND ITS CONTAINER AT HAZARDOUS OR SPECIAL WASTE COLLECTION POINT. DO NOT ALLOW THIS MATERIAL TO DRAIN INTO SEWER/WATER SUPPLIES. IF DISCARDED, THIS PRODUCT IS CONSIDERED A RCRA IGNITABLE WASTE, D001. DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

**RCRA Class:** D001*; D018**; D040***

**Other:**
- *WASTE FLAMMABLE MATERIAL WITH A FLASH POINT <140°F
- **WASTE BENZENE
- ***WASTE TRICHLOROETHYLENE

**XIV. TRANSPORT INFORMATION**

**D.O.T. Shipping Name:** CONSUMER COMMODITY

**D.O.T. Hazard Class:** ORM−D

**Other:**
- PACKAGING EXCEPTIONS: 156,306
- PACKAGING NON BULK: 156,306
- PACKAGING BULK: NONE

**XV. REGULATORY INFORMATION**

**EPA Sara Title III Chemical Listings:**
- U.S. – CERCLA/SARA – SECTION 313– EMISSION REPORTING
- ETHYL BENZENE, CAS# 100–41–4; 0.1% DE MINIMIS CONCENTRATION
- TRICHLOROETHYLENE, CAS# 79–01–6; 0.1% DE MINIMIS CONCENTRATION
- XYLENE, CAS# 1330–20–7; 1.0% DE MINIMIS CONCENTRATION
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)
- 29 CFR 1910.1200 HAZARDOUS CHEMICAL: YES.
- CERCLA (SUPERFUND) REPORTABLE QUANTITY:
  - TRICHLOROETHYLENE: 100.0000
  - ACETONE: 5000.0000
  - XYLENE: 100.0000
  - ETHYL BENZENE: 1000.0000
- SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) HAZARD CATEGORIES:
  - IMMEDIATE HAZARD: YES
  - DELAYED HAZARD: YES
  - FIRE HAZARD: NO
  - PRESSURE HAZARD: YES
  - REACTIVITY HAZARD: NO
- SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE: NO.
- SECTION 311 HAZARDOUS CHEMICAL: YES.

**California:**
- WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

**Pennsylvania:**
- U.S.–PENNSYLVANIA–RTK (RIGHT TO KNOW) LIST
  - ACETONE: CAS# 67–64–1; ENVIRONMENTAL HAZARD.
  - ETHYL BENZENE: CAS# 100–41–4; ENVIRONMENTAL HAZARD.
  - LIGHT ALIPHATIC SOLVENT NAPTHA: CAS# 64742–89–8; PRESENT.
  - N–BUTANE: CAS# 106–97–8; PRESENT.
  - ODORLESS MINERAL SPIRITS: CAS# 64742–48–9; PRESENT.
  - PROPANE: CAS# 74–98–6; PRESENT.
  - TRICHLOROETHYLENE: CAS# 79–01–6; ENVIRONMENTAL HAZARD.
  - VM&P: CAS# 8032–32–4; PRESENT.
  - XYLENE: CAS# 1330–20–7; ENVIRONMENTAL HAZARD.

**Other:**
- INVENTORY STATUS:
  - COUNTRY(S) OR REGION / INVENTORY NAME / ON INVENTORY (YES/NO)*
CHINA / INVENTORY OF EXISTING CHEMICAL SUBSTANCES IN CHINA (IECSC) / NO.
EUROPE / EUROPEAN INVENTORY OF NEW AND EXISTING CHEMICALS (EINECS) / NO.
EUROPE / EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES (ELINCS) / NO.
JAPAN / INVENTORY OF EXISTING AND NEW CHEMICAL SUBSTANCES (ENCS) / NO.
KOREA / EXISTING CHEMICALS LIST (ECL) / NO.
UNITED STATES AND PUERTO RICO / TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY / YES*.
*A "YES" INDICATES THAT ALL COMPONENTS OF THIS PRODUCT COMPLY WITH THE INVENTORY REQUIREMENTS ADMINISTERED BY THE GOVERNING COUNTRY(S).

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.