



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product number 209-002
Product name Industrial Mirror Edge Sealant
Effective date 25-Jan-2010
Company information Sprayway, Inc.
1005 Westgate
Addison, IL 60101 United States
Company phone General Assistance 630-543-7600
Emergency telephone US 800-424-9300
Emergency telephone outside US 703-527-3887
Version # 09
Supersedes date 11-Dec-2009

2. Hazards Identification

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.

Potential health effects

Routes of exposure Skin contact. Ingestion. Inhalation.

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).

Inhalation Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Irritating to respiratory system. Prolonged inhalation may be harmful.

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.

Target organs Kidney. Central nervous system. Liver. Lungs.

Chronic effects Liver injury may occur. Kidney injury may occur. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. May cause delayed lung damage. Prolonged skin contact may defat the skin and produce dermatitis.

Signs and symptoms Discomfort in the chest. Narcosis. Liver enlargement. Jaundice. Defatting of the skin. Irritation.

3. Composition / Information on Ingredients

| Components | CAS # | Percent |
|--|------------|-----------|
| Trichloroethylene | 79-01-6 | 20 - 30 |
| Propane | 74-98-6 | 10 - 15 |
| VM&P Naphtha | 8032-32-4 | 10 - 15 |
| Acetone | 67-64-1 | 10 - 15 |
| n-Butane | 106-97-8 | 10 - 15 |
| Light Aliphatic Solvent Naphtha | 64742-89-8 | 8 - 10 |
| Odorless Mineral Spirits | 64742-48-9 | 3 - 5 |
| Xylene | 1330-20-7 | 1 - 3 |
| Ethyl Alcohol | 64-17-5 | 0.1 - 0.5 |
| Ethyl Benzene | 100-41-4 | 0.1 - 0.5 |
| Non-hazardous and other components below reportable levels | | 10 - 20 |

4. First Aid Measures

First aid procedures

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| Eye contact | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists. |
| Skin contact | 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. |
| 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. |
| 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. |

5. Fire Fighting Measures

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| Flammable properties | Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard. |
| Extinguishing media | |
| Suitable extinguishing media | Alcohol foam. Dry chemical. Carbon dioxide (CO ₂). Do not use water jet. |
| Protection of firefighters | |
| Specific hazards arising from the chemical | Fire may produce irritating, corrosive and/or toxic gases. |
| Protective equipment and precautions for firefighters | 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. |

6. Accidental Release Measures

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| 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 cleaning up | Should not be released into the environment. Use a 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 surface thoroughly. |

7. Handling and Storage

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| 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 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. |

8. Exposure Controls / Personal Protection

Exposure limits

ACGIH

| Components | CAS # | TWA | STEL | Ceiling |
|-------------------|-----------|----------|-----------------|-----------------|
| Trichloroethylene | 79-01-6 | 10 ppm | 25 ppm | Not established |
| Propane | 74-98-6 | 1000 ppm | Not established | Not established |
| VM&P Naphtha | 8032-32-4 | 300 ppm | Not established | Not established |
| Acetone | 67-64-1 | 500 ppm | 750 ppm | Not established |
| n-Butane | 106-97-8 | 1000 ppm | Not established | Not established |
| Xylene | 1330-20-7 | 100 ppm | 150 ppm | Not established |
| Ethyl Alcohol | 64-17-5 | 1000 ppm | 1000 ppm | Not established |
| Ethyl Benzene | 100-41-4 | 100 ppm | 125 ppm | Not established |

OSHA

| Components | CAS # | TWA | STEL | Ceiling |
|-------------------|-----------|----------|-----------------|-----------------|
| Trichloroethylene | 79-01-6 | 100 ppm | Not established | 200 ppm |
| Propane | 74-98-6 | 1000 ppm | Not established | Not established |
| Acetone | 67-64-1 | 1000 ppm | Not established | Not established |
| Xylene | 1330-20-7 | 100 ppm | Not established | Not established |
| Ethyl Alcohol | 64-17-5 | 1000 ppm | Not established | Not established |
| Ethyl Benzene | 100-41-4 | 100 ppm | Not established | Not established |

Personal protective equipment

Eye / face protection

Wear chemical goggles.

Skin protection

Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing.

Respiratory protection

Wear positive pressure self-contained breathing apparatus (SCBA). If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

9. Physical & Chemical Properties

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| Appearance | Compressed liquefied gas. |
| Boiling point | 113 °F (45 °C) estimated |
| Color | Clear. |
| Flammability (HOC) | 29.6273 kJ/g estimated |
| Flash back | Yes |
| Flash point | -156 °F (-104.4 °C) Propellant |
| Form | Aerosol. |
| Odor | Solvent. |
| pH | Not applicable |
| Physical state | Liquid. |
| Pressure | 55 - 75 psig @ 70F |
| Solubility | Partially |
| Specific gravity | 0.7831 estimated |

10. Chemical Stability & Reactivity Information

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| Chemical stability | Risk of ignition. |
| Conditions to avoid | Heat, flames and sparks. |
| Hazardous decomposition products | Irritants. Toxic gas. May include oxides of nitrogen. |

11. Toxicological Information

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| Acute effects | Acute LD50: 14075 mg/kg estimated, Rat, Dermal |
|---------------|--|

Component analysis - LD50

Toxicology Data - Selected LD50s and LC50s

| | | |
|---------------------------------|------------|--|
| Acetone | 67-64-1 | Oral LD50 Rat 5800 mg/kg |
| Ethyl Alcohol | 64-17-5 | Oral LD50 Rat 7060 mg/kg |
| Ethyl Benzene | 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 Naphtha | 64742-89-8 | Oral LD50 Mouse 5000 mg/kg; Dermal LD50 Rabbit 3000 mg/kg |
| n-Butane | 106-97-8 | Inhalation LC50 Rat 658 mg/L 4 h |
| Odorless Mineral Spirits | 64742-48-9 | Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >3160 mg/kg |
| Propane | 74-98-6 | Inhalation LC50 Rat 658 mg/L 4 h |
| Trichloroethylene | 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 | 8032-32-4 | Inhalation LC50 Rat 3400 ppm 4 h |
| Xylene | 1330-20-7 | Inhalation LC50 Rat 5000 ppm 4 h; Inhalation LC50 Rat 47635 mg/L 4 h; Oral LD50 Rat 4300 mg/kg; Dermal LD50 Rabbit >1700 mg/kg |

Sensitization Not expected to be hazardous by OSHA criteria.

Carcinogenicity Hazardous by OSHA criteria.

IARC - Group 1 (Carcinogenic to Humans)

Ethyl Alcohol 64-17-5 Monograph 96 [in preparation] (in alcoholic beverages)

IARC - Group 2A (Probably Carcinogenic to Humans)

Trichloroethylene 79-01-6 Monograph 63 [1995]; Supplement 7 [1987]

IARC - Group 2B (Possibly Carcinogenic to Humans)

Ethyl Benzene 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.

12. Ecological Information

Ecotoxicity Components of this product are hazardous to aquatic life.

LC50 151 mg/L, Fish, 96.00 Hours,
EC50 9.67 mg/L, Daphnia, 48.00 Hours,
IC50 2091 mg/L, Algae, 72.00 Hours,

13. Disposal Considerations

Waste codes D001: Waste Flammable material with a flash point <140 F
D040: Waste Trichloroethylene

Disposal instructions 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 sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.

14. Transport Information

Department of Transportation (DOT) Requirements

Basic shipping requirements:

Proper shipping name Consumer commodity

Hazard class ORM-D

Subsidiary hazard class None

Additional information:

Packaging exceptions 156, 306

Packaging non bulk 156, 306

Packaging bulk None

IMDG**Basic shipping requirements:**

Proper shipping name AEROSOLS
Hazard class 2.1
UN number 1950
Additional information:
Packaging exceptions NOT a LTD QTY
Item 5TF
Labels required 2.1+6.1

**IATA****Basic shipping requirements:**

Proper shipping name Aerosols, flammable, containing substances in Division 6.1, Packing Group III
Hazard class 2.1
Subsidiary hazard class 6.1
UN number 1950
Additional information:
Packaging exceptions LTD QTY
Labels required 2.1, 6.1



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| 15. Regulatory Information |
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US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

| | | |
|-------------------|-----------|--------------------------------|
| Ethyl Benzene | 100-41-4 | 0.1 % de minimis concentration |
| Trichloroethylene | 79-01-6 | 0.1 % de minimis concentration |
| Xylene | 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 - Yes
 Pressure Hazard - Yes
 Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

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 & 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)

State regulations

WARNING: This product contains a chemical known to the State of California to cause cancer.

U.S. - Pennsylvania - RTK (Right to Know) List

| | | |
|---------------------------------|------------|----------------------|
| Acetone | 67-64-1 | Environmental hazard |
| Ethyl Alcohol | 64-17-5 | Present |
| Ethyl Benzene | 100-41-4 | Environmental hazard |
| Light Aliphatic Solvent Naphtha | 64742-89-8 | Present |
| n-Butane | 106-97-8 | Present |
| Odorless Mineral Spirits | 64742-48-9 | Present |
| Propane | 74-98-6 | Present |
| Trichloroethylene | 79-01-6 | Environmental hazard |
| VM&P Naphtha | 8032-32-4 | Present |
| Xylene | 1330-20-7 | Environmental hazard |

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| 16. Other Information |
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Further information

HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings

Health: 2*
 Flammability: 3
 Physical hazard: 0

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Prepared by

Regulatory Compliance