



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product number 082
Product name **Mist Type Spray Adhesive**
Effective date 22-Jan-2009
Company information Sprayway, Inc.
484 Vista Ave.
Addison, IL 60101 United States
Company phone General Assistance 1-630-628-3000
Emergency telephone US 800-424-9300
Emergency telephone outside US 703-527-3887
Version # 07
Supersedes date 08-Feb-2008

2. Hazards Identification

Emergency overview EXTREMELY FLAMMABLE
CONTENTS UNDER PRESSURE. Aerosol. Pressurized container may explode when exposed to heat or flame.
Harmful in contact with eyes. Prolonged exposure may cause chronic effects.

Potential health effects

Eyes Contact may irritate or burn eyes. Eye contact may result in corneal injury.

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. Prolonged inhalation may be harmful.

Ingestion Exposure by ingestion of an aerosol is unlikely. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause delayed lung damage.

Target organs Central nervous system. Respiratory system.

Chronic effects Conjunctiva. 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.

3. Composition / Information on Ingredients

| Components | CAS # | Percent |
|--|------------|----------|
| Cyclohexane | 110-82-7 | 20 - 30 |
| Solvent Refined Naptha | 64741-84-0 | 15 - 20 |
| n-Butane | 106-97-8 | 15 - 20 |
| Dimethyl Ether | 115-10-6 | 10 - 15 |
| Propane | 74-98-6 | 8 - 10 |
| n-Hexane | 110-54-3 | 8 - 10 |
| Isobutane | 75-28-5 | 8 - 10 |
| Non-hazardous and other components below reportable levels | | 2.5 - 10 |

4. First Aid Measures

First aid procedures

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately.

Skin contact Immediately take off all contaminated clothing. Wash off with warm water and soap. Get medical attention if irritation develops or persists.

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Ingestion

Rinse mouth. Get medical attention immediately. Do not induce vomiting without medical advice. 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

Flammable properties

Containers may explode when heated. 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**

Foam. Dry chemical. Carbon dioxide (CO₂). Do not use water.

Protection of firefighters**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. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. 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

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. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up

Should not be released into the environment.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

7. Handling and Storage

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. Avoid prolonged exposure.

Storage

Level 3 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 container tightly closed. Keep in an area equipped with sprinklers. Keep out of the reach of children.

8. Exposure Controls / Personal Protection

Exposure limits**ACGIH****Components****CAS #****TWA****STEL****Ceiling**

Cyclohexane

110-82-7

100 ppm

Not established

Not established

n-Butane

106-97-8

1000 ppm

Not established

Not established

Propane

74-98-6

1000 ppm

Not established

Not established

n-Hexane

110-54-3

50 ppm

1000 ppm

Not established

Isobutane

75-28-5

1000 ppm

Not established

Not established

OSHA**Components****CAS #****TWA****STEL****Ceiling**

Cyclohexane

110-82-7

300 ppm

Not established

Not established

Propane

74-98-6

1000 ppm

Not established

Not established

n-Hexane

110-54-3

500 ppm

Not established

Not established

Personal protective equipment**Eye / face protection**

Wear chemical goggles.

Skin protection

Wear appropriate chemical resistant gloves.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

9. Physical & Chemical Properties

| | |
|---------------------------|-------------------------------|
| Appearance | Compressed liquefied gas. |
| Boiling point | 53.6 °F (12.2 °C) estimated |
| Color | Tan. |
| Flammability (HOC) | 39.6153 kJ/g estimated |
| Flash back | Yes |
| Flash point | -156 °F (-104.4 °C) estimated |
| Form | Aerosol. |
| Odor | Solvent. |
| pH | Not applicable |
| Physical state | Liquid. |
| Pressure | 45 - 55 @ 70F |
| Solubility | None |
| Specific gravity | 0.6832 estimated |

10. Chemical Stability & Reactivity Information

| | |
|---|---|
| Chemical stability | Risk of ignition. |
| Conditions to avoid | Heat, flames and sparks. |
| Incompatible materials | None known. |
| Hazardous decomposition products | May include oxides of oxides of carbon. |

11. Toxicological Information

| | |
|-----------------------------|--|
| Acute effects | Acute LD50: 4604 mg/kg estimated, Rat, Dermal Acute LC50: 21 mg/l/4h estimated, Rat, Inhalation |
| Sensitization | Not expected to be hazardous by OSHA criteria. |
| Reproductive effects | Not expected to be hazardous by OSHA criteria. |
| Teratogenicity | Not expected to be hazardous by OSHA criteria. |

12. Ecological Information

| | |
|--------------------|---|
| Ecotoxicity | LC50 15.47 mg/L, Fish, 96.00 Hours, EC50 62.7 mg/L, Daphnia, 48.00 Hours, IC50 2115 mg/L, Algae, 72.00 Hours, |
|--------------------|---|

13. Disposal Considerations

| | |
|------------------------------|---|
| Waste codes | D001: Waste Flammable material with a flash point <140 F |
| Disposal instructions | Consult authorities before disposal. Contents under pressure. 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 LTD QTY
Labels required None



IATA

Basic shipping requirements:

Proper shipping name Aerosols, flammable
Hazard class 2.1
UN number 1950

Additional information:

Packaging exceptions LTD QTY
Labels required 2.1



15. Regulatory Information

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

Cyclohexane 110-82-7 1.0 % de minimis concentration
n-Hexane 110-54-3 1.0 % de minimis concentration

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

Cyclohexane: 1000.0000
n-Hexane: 5000.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
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**U.S. - Pennsylvania - RTK (Right to Know) List**

| | | |
|----------------|----------|----------------------|
| Cyclohexane | 110-82-7 | Environmental hazard |
| Dimethyl Ether | 115-10-6 | Present |
| Isobutane | 75-28-5 | Present |
| n-Butane | 106-97-8 | Present |
| n-Hexane | 110-54-3 | Present |
| Propane | 74-98-6 | Present |

16. Other Information**HMIS® ratings**

Health: 1
 Flammability: 4
 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.

MSDS sections updated

Product and Company Identification: Alternate Trade Names
 Hazards Identification: Emergency overview
 Handling and Storage: Storage
 Physical & Chemical Properties: Physical & Chemical Properties
 Transport Information: Agency Name and Packaging Type/Transport Mode Selection
 Regulatory Information: United States