

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product number** 4520  
**Product name** IES Super Spray Trim Adhesive  
**Effective date** 07-May-2009  
**Company information** International Epoxies & Sealers  
30241 Commerce Drive  
San Antonio, FL 33576 United States  
**Company phone** General Assistance 1-800-451-7206  
**Emergency telephone US** INFOTRAC: 800-535-5053  
**Emergency telephone outside US** Call Collect: 352-323-3500  
**Version #** 05  
**Supersedes date** 02-Jan-2009

## 2. Hazards Identification

**Emergency overview** FLAMMABLE  
CONTENTS UNDER PRESSURE. Aerosol. Pressurized container may explode when exposed to heat or flame.  
Irritating to eyes. Prolonged exposure may cause chronic effects.

**Potential health effects**

**Eyes** Causes eye irritation.

**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** 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
Methyl Acetate	79-20-9	15 - 20
Dimethyl Ether	115-10-6	15 - 20
Cyclohexane	110-82-7	10 - 15
Isobutane	75-28-5	10 - 15
Acetone	67-64-1	8 - 10
Pentane	109-66-0	5 - 8
Propane	74-98-6	3 - 5
Non-hazardous and other components below reportable levels		10 - 20

## 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 if irritation develops or persists.

**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**

Have victim rinse mouth thoroughly with water. 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.

<b>5. Fire Fighting Measures</b>
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**Flammable properties**

Containers may explode when heated. Vapor or gas may spread to distant ignition sources and flash back.

**Extinguishing media****Suitable extinguishing media**

Water fog. Foam. Alcohol foam. Dry chemical. Carbon dioxide (CO2). Do not use water.

**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.

<b>6. Accidental Release Measures</b>
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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.

**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.

<b>7. Handling and Storage</b>
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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 3 Aerosol.

Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Avoid exposure to long periods of sunlight. Keep in an area equipped with sprinklers. Keep out of the reach of children.

<b>8. Exposure Controls / Personal Protection</b>
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**Exposure limits****ACGIH****Components****CAS #****TWA****STEL****Ceiling**

Methyl Acetate

79-20-9

200 ppm

250 ppm

Not established

Cyclohexane

110-82-7

100 ppm

Not established

Not established

Isobutane

75-28-5

1000 ppm

Not established

Not established

Acetone

67-64-1

500 ppm

750 ppm

Not established

Pentane

109-66-0

600 ppm

Not established

Not established

Propane

74-98-6

1000 ppm

Not established

Not established

**OSHA**

Components	CAS #	TWA	STEL	Ceiling
Methyl Acetate	79-20-9	200 ppm	Not established	Not established
Cyclohexane	110-82-7	300 ppm	Not established	Not established
Acetone	67-64-1	1000 ppm	Not established	Not established
Pentane	109-66-0	1000 ppm	Not established	Not established
Propane	74-98-6	1000 ppm	Not established	Not established

**Personal protective equipment**

<b>Eye / face protection</b>	Wear chemical goggles.
<b>Skin protection</b>	Wear appropriate chemical resistant gloves.
<b>Respiratory protection</b>	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

<b>9. Physical &amp; Chemical Properties</b>
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<b>Appearance</b>	Compressed liquefied gas.
<b>Boiling point</b>	68 °F (20 °C) estimated
<b>Color</b>	Amber.
<b>Flammability (HOC)</b>	40.674 kJ/g estimated
<b>Flash back</b>	No
<b>Flash point</b>	-156 °F (-104.4 °C)
<b>Form</b>	Aerosol.
<b>Odor</b>	Solvent.
<b>pH</b>	Not applicable
<b>Physical state</b>	Liquid.
<b>Pressure</b>	50 - 60 psig @70°F
<b>Solubility</b>	Partially
<b>Specific gravity</b>	0.7428 estimated

<b>10. Chemical Stability &amp; Reactivity Information</b>
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<b>Chemical stability</b>	Risk of ignition.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	This product is incompatible with nitrates.
<b>Hazardous decomposition products</b>	May include oxides of oxides of carbon.

<b>11. Toxicological Information</b>
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<b>Acute effects</b>	Acute LD50: 7544 mg/kg estimated, Rat, Dermal Acute LC50: 85 mg/l/4h estimated, Rat, Inhalation
<b>Sensitization</b>	Not expected to be hazardous by OSHA criteria.
<b>Reproductive effects</b>	Not expected to be hazardous by OSHA criteria.
<b>Teratogenicity</b>	Not expected to be hazardous by OSHA criteria.

<b>12. Ecological Information</b>
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<b>Ecotoxicity</b>	LC50 28.64 mg/L estimated, Fish, 96.00 Hours, EC50 5355 mg/L estimated, Daphnia, 48.00 Hours, IC50 555 mg/L estimated, Algae, 72.00 Hours,
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<b>13. Disposal Considerations</b>
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<b>Waste codes</b>	D001: Waste Flammable material with a flash point <140 F
<b>Disposal instructions</b>	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  
Item 5F  
Labels required None  
Transport Category 2



### 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

### Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

### CERCLA (Superfund) reportable quantity

Cyclohexane: 1000.0000

Acetone: 5000.0000

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

Acetone	67-64-1	Environmental hazard
Cyclohexane	110-82-7	Environmental hazard
Dimethyl Ether	115-10-6	Present
Isobutane	75-28-5	Present
Methyl Acetate	79-20-9	Present
Pentane	109-66-0	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: Product and Company Identification  
 Physical & Chemical Properties: Physical & Chemical Properties  
 Transport Information: Product Shipping Name/Packing Group