

# Material Safety Data Sheet

## acc. to ISO/DIS 11014

Printing Date 09/04/2007

Revision Number 1

Reviewed on 12/01/2004

### 1 Identification of substance

- **Product details**
- **Trade name:** SUPER WEATHERSTRIP ADHESIVE
- **Product number:** 1535
- **Manufacturer/Supplier:**  
International Epoxies & Sealers  
P.O. Box 185  
San Antonio, FL 33576  
Telephone: 1-800-451-7206
- **Emergency Information:**  
Infotrac: 1-800-535-5053, Outside the U.S. Call Collect: 1-352-323-3500

### 2 Composition/Data on components

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

108-88-3	toluene	20.1%
78-93-3	methyl ethyl ketone	18.62%
67-64-1	acetone	18.25%
110-54-3	n-hexane	14.24%

- **Additional information:** For the wording of the listed risk phrases refer to section 15.

### 3 Hazards identification

- **Hazard description:**  
Harmful  
Flammable
- **Information pertaining to particular dangers for man and environment:**  
Highly flammable.  
Harmful by inhalation.  
Irritating to eyes.  
Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
Possible risk of impaired fertility.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Harmful: may cause lung damage if swallowed.
- **Classification system:**  
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

(Contd. on page 2)

USA

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing Date 09/04/2007

Revision Number 1

Reviewed on 12/01/2004

**Product Name: SUPER WEATHERSTRIP ADHESIVE**

(Contd. of page 1)

· **NFPA ratings (scale 0 - 4)**



Health = 2  
Fire = 3  
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = \*2  
Fire = 3  
Physical Hazard = 0

## 4 First aid measures

· **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:**

Overexposure, remove to fresh air and seek medical attention.

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:** Seek medical treatment.

## 5 Fire fighting measures

· **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

· **For safety reasons unsuitable extinguishing agents:** Water and water with full jet

· **Protective equipment:** Protective clothing and respiratory protective device.

## 6 Accidental release measures

· **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.

· **Measures for environmental protection:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

· **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste in accordance with federal state and local regulations.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

USA

(Contd. on page 3)

# Material Safety Data Sheet

## acc. to ISO/DIS 11014

Printing Date 09/04/2007

Revision Number 1

Reviewed on 12/01/2004

**Product Name: SUPER WEATHERSTRIP ADHESIVE**

(Contd. of page 2)

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:** Prevent formation of aerosols.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location away from direct heat.
- **Information about storage in one common storage facility:** Store as flammable liquid.
- **Further information about storage conditions:**  
Keep receptacle tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

### 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

#### 108-88-3 toluene

PEL	Short-term value: C 300; 500* ppm Long-term value: 200 ppm *10-min peak per 8-hr shift
REL	Short-term value: 560 mg/m <sup>3</sup> , 150 ppm Long-term value: 375 mg/m <sup>3</sup> , 100 ppm
TLV	(188) NIC-75 mg/m <sup>3</sup> , (50) NIC-20 ppm (Skin); (BEI)

#### 78-93-3 methyl ethyl ketone

PEL	590 mg/m <sup>3</sup> , 200 ppm
REL	Short-term value: 885 mg/m <sup>3</sup> , 300 ppm Long-term value: 590 mg/m <sup>3</sup> , 200 ppm
TLV	Short-term value: 885 mg/m <sup>3</sup> , 300 ppm Long-term value: 590 mg/m <sup>3</sup> , 200 ppm BEI

#### 67-64-1 acetone

PEL	2400 mg/m <sup>3</sup> , 1000 ppm
REL	590 mg/m <sup>3</sup> , 250 ppm
TLV	Short-term value: 1782 mg/m <sup>3</sup> , 750 ppm Long-term value: 1188 mg/m <sup>3</sup> , 500 ppm BEI

#### 110-54-3 n-hexane

PEL	1800 mg/m <sup>3</sup> , 500 ppm
REL	180 mg/m <sup>3</sup> , 50 ppm
TLV	176 mg/m <sup>3</sup> , 50 ppm Skin; BEI

- **Additional information:** The lists that were valid during the creation were used as basis.

(Contd. on page 4)

USA

# Material Safety Data Sheet

*acc. to ISO/DIS 11014*

Printing Date 09/04/2007

Revision Number 1

Reviewed on 12/01/2004

**Product Name: SUPER WEATHERSTRIP ADHESIVE**

(Contd. of page 3)

- **Personal protective equipment (see listings below)**
- **General protective and hygienic measures:**  
*Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing.  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the eyes and skin.*
- **Breathing equipment:**  
*In the absence of adequate ventilation, NIOSH-certified respiratory protection for organic vapor should be used as necessary. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.*
- **Protection of hands:** Protective gloves
- **Eye protection:** Safety glasses with side shields.
- **Body protection:** Protective work clothing

## 9 Physical and chemical properties

### · General Information

<b>Form:</b>	Liquid
<b>Color:</b>	Black
<b>Odor:</b>	Characteristic

### · Change in condition

<b>Melting point:</b>	Undetermined.
<b>Boiling point:</b>	55°C (131°F)

· **Flash point:** -26°C (-15°F)

· **Ignition temperature:** 240.0°C (464°F)

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

### · Flammable limits:

<b>Lower:</b>	1.2 Vol %
<b>Upper:</b>	13.0 Vol %

· **Vapor pressure at 20°C (68°F):** 233.0 hPa (175 mm Hg)

· **Specific gravity:** 0.879

### · Solubility in / Miscibility with

**Water:** Not miscible or difficult to mix.

### · Solvent content:

**Organic solvents:** 71.21 %

· **Solids content:** 28.79 %

(Contd. on page 5)

USA

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing Date 09/04/2007

Revision Number 1

Reviewed on 12/01/2004

**Product Name: SUPER WEATHERSTRIP ADHESIVE**

(Contd. of page 4)

- Additional information:** "NOTICE: This product does not comply with the requirements of Rule 1168 of California's South Coast Air Quality Management District".  
 WEIGHT PER GALLON: 7.32  
 VOC: 3.88 LBS/GAL (465 G/L)  
 584 G/L (SCAQMD RULE 1168 METHOD)

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** Keep away from extreme heat, sparks, open flames.
- **Dangerous reactions** Strong oxidizers, acids and bases.
- **Dangerous products of decomposition:**  
 Oxides of carbon, nitrogen and hydrocarbons, hydrogen chloride (thermal degradation products).

## 11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

### 108-88-3 toluene

Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	12124 mg/kg (rabbit)
Inhalative	LC50/4 h	5320 mg/l (mouse)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitizing effect through inhalation is possible with prolonged exposure.
- **Additional toxicological information:**  
 The product shows the following dangers according to internally approved calculation methods for preparations:  
 Harmful  
 Irritant

## 12 Ecological information

- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **General notes:**  
 Water hazard class 2 (Self-assessment): hazardous for water  
 Do not allow product to reach ground water, water course or sewage system.  
 Danger to drinking water if even small quantities leak into the ground.  
 Harmful to aquatic organisms

## 13 Disposal considerations

- **Product:**
- **Recommendation:**  
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
 Disposal must be made according to official regulations.

(Contd. on page 6)

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing Date 09/04/2007

Revision Number 1

Reviewed on 12/01/2004

**Product Name: SUPER WEATHERSTRIP ADHESIVE**

(Contd. of page 5)

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **DOT regulations:**
- **Hazard class:** 3
- **Identification number:** UN1133
- **Packing group:** II
- **Proper shipping name (technical name):** ADHESIVES

## 15 Regulations

### · Sara

#### · Section 355 (extremely hazardous substances):

None of the ingredients is listed.

#### · Section 313 (Specific toxic chemical listings):

108-88-3	toluene
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78-93-3	methyl ethyl ketone
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110-54-3	n-hexane
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#### · TSCA (Toxic Substances Control Act):

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

#### · Proposition 65

#### · Chemicals known to cause cancer:

None of the ingredients is listed.

#### · Chemicals known to cause reproductive toxicity:

Warning: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

108-88-3	toluene
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#### · (DSL) Canada Domestic Substance List

All components of this product are on the DSL (Canada Domestic Substance list) or are exempt from DSL requirements.

#### · Cancerogenity categories

#### · EPA (Environmental Protection Agency)

108-88-3	toluene	D
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78-93-3	methyl ethyl ketone	D
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67-64-1	acetone	D
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#### · IARC (International Agency for Research on Cancer)

108-88-3	toluene	3
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(Contd. on page 7)

# Material Safety Data Sheet

acc. to ISO/DIS 11014

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**Product Name: SUPER WEATHERSTRIP ADHESIVE**

(Contd. of page 6)

<b>· NTP (National Toxicology Program)</b>		
None of the ingredients is listed.		
<b>· TLV (Threshold Limit Value established by ACGIH)</b>		
108-88-3	toluene	A4
67-64-1	acetone	A4
<b>· MAK (German Maximum Workplace Concentration)</b>		
None of the ingredients is listed.		
<b>· NIOSH-Ca (National Institute for Occupational Safety and Health)</b>		
None of the ingredients is listed.		
<b>· OSHA-Ca (Occupational Safety &amp; Health Administration)</b>		
None of the ingredients is listed.		

**· Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

**· Hazard-determining components of labelling:**

n-hexane  
toluene  
acetone  
methyl ethyl ketone

**· Risk phrases:**

Warning: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.  
Highly flammable.  
Harmful by inhalation.  
Irritating to eyes.  
Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
Possible risk of impaired fertility.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Harmful: may cause lung damage if swallowed.

**· National regulations:**

**· Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

## 16 Other information

Although the information and recommendations set forth in this MSDS are presented in good faith and are believed to be correct as of the date of this MSDS, International Epoxies & Sealers makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will International Epoxies & Sealers or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the MSDS.

**· Department issuing MSDS:** Environment protection department.