



# SAFETY DATA SHEET

Issue Date 13-Feb-2012

Revision Date 29-Nov-2012

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Pressure Sensitive Adhesive

### Other means of identification

**SDS #** 3738

**UN/ID No** UN1133

**Product Code** F-006

### Recommended use of the chemical and restrictions on use

**Recommended Use** Adhesives.

### Details of the supplier of the safety data sheet

#### Supplier Address

Panduit  
18900 Panduit Dr.  
Tinley Park, IL 60487

### Emergency telephone number

**Company Phone Number** Phone: 708-532-1800  
Fax: 708-532-1811  
**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

### Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 2

### Signal word

**Danger**

**Hazard statements**

Harmful if swallowed  
Causes skin irritation  
Causes severe eye irritation  
Suspected of damaging fertility or the unborn child  
May cause respiratory irritation. May cause drowsiness or dizziness  
May cause damage to organs through prolonged or repeated exposure  
May be fatal if swallowed and enters airways  
Harmful if inhaled  
Highly flammable liquid and vapor

**Appearance** Yellow Liquid**Physical state** liquid**Odor** mild gasoline-like**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Use only outdoors or in a well-ventilated area  
Wear eye/face protection  
Do not breathe dust/fume/gas/mist/vapors/spray  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Keep cool

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
If skin irritation occurs: Get medical advice/attention  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do NOT induce vomiting  
Rinse mouth  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up  
Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other Information**

- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical Family** Synthetic rubber based adhesive.

Chemical Name	CAS No	Weight-%	Trade Secret
Toluene	108-88-3	48	*

**4. FIRST AID MEASURES****First aid measures**

<b>General advice</b>	If exposed or concerned: Get medical advice/attention.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.
<b>Skin Contact</b>	Wash with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/ attention.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	Overexposure by inhalation may cause CNS depression- drowsiness, dizziness, confusion or loss of coordination. May cause allergic skin reaction. Irritates the digestive tract.
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**Indication of any immediate medical attention and special treatment needed**

<b>Note to physicians</b>	Treat symptomatically.
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**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Dry chemical. Carbon dioxide (CO<sub>2</sub>). Halon. Foam.

**Unsuitable Extinguishing Media** Not determined.

**Specific hazards arising from the chemical**

Explosive in closed areas. May be ignited by heat, sparks or flames. Can react with oxidizing materials.

**Hazardous combustion products** Carbon oxides.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Respiratory protection should be worn at all times. Provide maximum explosion proof ventilation. Prior training/planning is recommended.

**Environmental precautions** See Section 12 for additional ecological information.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Flush away from sensitive areas with a cold water spray-do not flush down sewers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Use personal protective equipment as required. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Use spark-proof tools and explosion-proof equipment. Ground container and transfer equipment to eliminate static electric sparks. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only in well-ventilated areas. Do not breathe dust/fume/gas/mist/vapors/spray. Take precautionary measures against static discharges.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Ground/bond container and receiving equipment. Store locked up.

**Incompatible materials** Liquid chloride. Red phosphorus.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m <sup>3</sup> Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 560 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits. Explosion-proof general and local exhaust ventilation. Eyewash stations. Showers.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear approved safety goggles where a splash hazard exists.

**Skin and body protection** Rubber gloves.

**Respiratory protection** Approved respirators are needed for nonroutine use above the TLV requirements.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	liquid	<b>Odor</b>	mild gasoline-like
<b>Appearance</b>	Yellow Liquid	<b>Odor threshold</b>	Not determined
<b>Color</b>	Yellow		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	Not determined		
Melting point/freezing point	Not determined		
Boiling point/boiling range	> 80 °C / >176 °F		
Flash point	-6.7 °C / 20 °F		
Evaporation rate	< 4.6	(butyl acetate = 1)	
Flammability (solid, gas)	Not determined		
Flammability Limits in Air			
Upper flammability limits	<10		
Lower flammability limit	>1.2		
Vapor pressure	47.4 mmHg		
Vapor density	3.45		
Specific Gravity	6.8 lbs/gal		
Water solubility	minimal		
Solubility in other solvents	Not determined		
Partition coefficient	Not determined		
Autoignition temperature	Not determined		
Decomposition temperature	Not determined		
Kinematic viscosity	Not determined		
Dynamic viscosity	Not determined		
Explosive properties	Not determined		
Oxidizing properties	Not determined		

### Other Information

VOC Content (%) 48%

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions

### Chemical stability

unstable.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

Avoid all possible sources of ignition.

### Incompatible materials

Liquid chloride. Red phosphorus.

### Hazardous Decomposition Products

Thermal decomposition may produce oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

Inhalation	Harmful if inhaled.
Eye contact	Causes severe eye irritation.
Skin Contact	Causes skin irritation.
Ingestion	Harmful if swallowed.

#### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Toluene 108-88-3	636 mg/kg ( Rat )	12124 mg/kg ( Rat ) 8390 mg/kg ( Rabbit )	12.5 mg/L ( Rat ) 4 h >26700 ppm ( Rat ) 1 h

### Information on physical, chemical and toxicological effects

Symptoms	Overexposure by inhalation may cause CNS depression- drowsiness, dizziness, confusion or loss of coordination. May cause allergic skin reaction. Irritates the digestive tract.
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	Group 3 IARC components are "not classifiable as human carcinogens".
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Chemical Name	ACGIH	IARC	NTP	OSHA
Toluene 108-88-3		Group 3		

Reproductive toxicity	Suspected of damaging fertility or the unborn child.
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STOT - single exposure	May cause respiratory irritation. May cause drowsiness or dizziness.
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STOT - repeated exposure	May cause damage to organs through prolonged or repeated exposure.
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Aspiration hazard	May be fatal if swallowed and enters airways.
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#### Numerical measures of toxicity- Product

Not determined

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	1325 mg/kg
ATEmix (dermal)	17483 mg/kg
ATEmix (inhalation-gas)	1458 mg/l
ATEmix (inhalation-dust/mist)	3.1 mg/l
ATEmix (inhalation-vapor)	22.9 mg/l

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic life with long lasting effects

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Toluene 108-88-3	12.5: 72 h Pseudokirchneriella subcapitata mg/L EC50 static >433: 96 h Pseudokirchneriella subcapitata mg/L EC50	11.0-15.0: 96 h Lepomis macrochirus mg/L LC50 static 12.6: 96 h Pimephales promelas mg/L LC50 static 14.1-17.16: 96 h Oncorhynchus mykiss mg/L LC50 static 15.22-19.05: 96 h Pimephales promelas mg/L LC50 flow-through 28.2: 96 h Poecilia reticulata mg/L LC50 semi-static 5.8: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 5.89-7.81: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 50.87-70.34: 96 h Poecilia reticulata mg/L LC50 static 54: 96 h Oryzias latipes mg/L LC50 static	EC50 = 19.7 mg/L 30 min	11.5: 48 h Daphnia magna mg/L EC50 5.46 - 9.83: 48 h Daphnia magna mg/L EC50 Static

**Persistence and degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined.

Chemical Name	Partition coefficient
Toluene 108-88-3	2.65

**Other adverse effects**

Not determined

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods****Disposal of wastes**

Dispose of in accordance with federal, state and local regulations. Scrap material can be burned in an approved incinerator in accordance with federal, state, and local regulations.

**Contaminated packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Toluene 108-88-3	U220	Included in waste streams: F005, F024, F025, F039, K015, K036, K037, K149, K151		U220

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes

Toluene 108-88-3			Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	
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Chemical Name	California Hazardous Waste Status
Toluene 108-88-3	Toxic Ignitable

#### 14. TRANSPORT INFORMATION

**Note** Based on package size, product may be eligible for limited quantity exception

##### DOT

**UN/ID No** UN1133  
**Proper shipping name** Adhesives  
**Hazard Class** 3  
**Packing Group** II  
**Reportable Quantity (RQ)** 1000 lbs (toluene)

##### IATA

**UN/ID No** UN1133  
**Proper shipping name** Adhesives  
**Hazard Class** 3  
**Packing Group** II

##### IMDG

**UN/ID No** UN1133  
**Proper shipping name** Adhesives  
**Hazard Class** 3  
**Packing Group** II

#### 15. REGULATORY INFORMATION

##### International Inventories

##### Legend:

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List*  
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*  
*ENCS - Japan Existing and New Chemical Substances*  
*IECSC - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*



**US Federal Regulations**

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Toluene - 108-88-3	108-88-3	48	1.0

**SARA 311/312 Hazard Categories**

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene 108-88-3	1000 lb	X	X	X
Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)	
Toluene 108-88-3	1000 lb 1 lb		RQ 1000 lb final RQ RQ 454 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ	

**US State Regulations**

Chemical Name	California Proposition 65
Toluene - 108-88-3	Developmental Female Reproductive

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Toluene 108-88-3	X	X	X

**U.S. EPA Label Information****16. OTHER INFORMATION****NFPA****Health hazards**

1

**Flammability**

3

**Instability**

0

**Special Hazards**

Not determined

**HMIS****Health hazards**

Not determined

**Flammability**

Not determined

**Physical hazards**

Not determined

**Personal protection**

Not determined

**Issue Date**

13-Feb-2012

**Revision Date**

29-Nov-2012

**Revision Note**

new format

**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.

**End of Safety Data Sheet**