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# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product Identifier

Product Name **POLYLINK PTSI**

### Other means of identification

Product Code 3611700  
CAS Number 4083-64-1  
Formula C<sub>8</sub>H<sub>7</sub>NO<sub>3</sub>S  
Synonyms Benzenesulfonyl Isocyanate, 4-Methyl-

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

Recommended Use Coatings  
Uses advised against Do not use where contact with food or drinking water is possible. Avoid prolonged contact with eyes, skin, and clothing.

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

Supplier Address ACETO US, LLC  
4 Tri Harbor Court  
Port Washington, NY 11050-4661  
Phone: (516) 627-6000  
Fax: (516) 627-6093  
Email: actylis@actylis.com

### Emergency telephone number(s)

ChemTrec: 1-800-424-9300 Outside of the United States: 1-703-527-3887

## 2. HAZARDS IDENTIFICATION

### Classification

Skin Corrosion/Irritation	Category 2
Serious eye damage/eye irritation	Category 2
Respiratory Sensitization	Category 1
Specific target organ toxicity (single exposure)	Category 3

### Label elements

#### Emergency Overview

Signal Word  
**DANGER**

#### Hazard statements

Causes skin irritation  
Causes serious eye irritation  
May cause allergy or asthma symptoms or breathing difficulties if inhaled  
May cause respiratory irritation



**Appearance**  
Clear

**Physical State**  
Liquid

**Odor**  
Weak Penetrating

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 In case of inadequate ventilation wear respiratory protection  
 Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

Specific treatment (see supplemental first aid instructions on this label)  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present .  
 If eye irritation persists: Get medical advice/attention  
 IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation occurs: Get medical advice/attention  
 Take off contaminated clothing and wash before reuse  
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

**Precautionary Statements - Storage**

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

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

None known

**Other Information**

No information available

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Synonyms** Benzenesulfonyl Isocyanate, 4-Methyl-

**Formula** C8H7NO3S

Chemical name	CAS No.	Weight-%	North American Hazard Indicator
Benzenesulfonyl Isocyanate, 4-Methyl-	4083-64-1	98	False

**4. FIRST AID MEASURES**

**First Aid Measures**

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Consult a physician.
<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Consult a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Self-Protection of the First Aider</b>	Use personal protective equipment as required. Avoid contact with eyes, skin and clothing.

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

**Signs and Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b><u>Suitable Extinguishing Media</u></b>	Dry powder.
<b><u>Unsuitable Extinguishing Media</u></b>	Water.
<b><u>Hazardous Combustion Products</u></b>	Carbon oxides. Nitrogen oxides. Sulfur oxides.
<b><u>Explosion Data</u></b>	Not available
<b>Sensitivity to mechanical impact</b>	Not available.
<b>Sensitivity to static discharge</b>	Not available.

**Specific Hazards Arising from the Chemical**

Keep product and empty container away from heat and sources of ignition.

**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.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

<b>Personal Precautions</b>	Ensure adequate ventilation. Evacuate personnel to safe areas. Use personal protective equipment as required. Avoid contact with eyes, skin and clothing. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Environmental Precautions</b>	Local authorities should be advised if significant spillages cannot be contained. Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

**Methods and material for containment and cleaning up**

**Methods for Clean-up** Evacuate personnel to safe areas. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling** Use only in an area equipped with a safety shower. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation. Use only in well-ventilated areas. Do not breathe vapours or spray mist. Avoid contact with eyes, skin and clothing. Avoid repeated exposure.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Protect from moisture. Reacts violently with water. Protect from water.

**Incompatible Materials** Alcohols. Strong bases. Amines. Incompatible with strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Benzenesulfonyl Isocyanate, 4-Methyl-4083-64-1	-	-	-

**Appropriate engineering controls****Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Tight sealing safety goggles. Face shield.

**Skin and body protection** Use suitable eye protection and gloves.

**Respiratory Protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**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**

**Appearance** Clear  
**Physical State** Liquid  
**Odor** Weak Penetrating  
**Odor Threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No Data Available	
<b>Melting point / Freezing point</b>	-2 °C	Literary Reference
<b>Boiling point / boiling range</b>	230 °C	

<b>Flash Point</b>	146 °C	CC (closed cup)
<b>Evaporation Rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>	No information available	
<b>Upper flammability limit</b>	No information available	
<b>Lower flammability limit</b>	Not available	
<b>Vapor Pressure</b>	No information available	
<b>Vapor Density</b>	Not available	
<b>Specific Gravity</b>	1.291	
<b>Water Solubility</b>	No information available	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	Not available	
<b>Autoignition temperature °C</b>	No Data Available	Estimated
<b>Decomposition temperature</b>	No Data Available	
<b>Kinematic Viscosity</b>	No information available	
<b>Dynamic Viscosity</b>	Not available	
<b>Explosive Properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	

**Other Information**

<b>Softening Point</b>	No information available
<b>Molecular Weight</b>	197.21
<b>VOC content</b>	No information available
<b>Liquid Density</b>	No information available
<b>Bulk density</b>	No information available
<b>Corrosion characteristics</b>	No information available

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	Not applicable.
<b>Chemical Stability</b>	Stable under recommended storage conditions
<b>Conditions to Avoid</b>	Heat, flames and sparks. Protect from moisture.
<b>Incompatible Materials</b>	Alcohols. Strong bases. Amines. Incompatible with strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Carbon oxides. Nitrogen oxides (NOx). Sulfur oxides.
<b>Possibility of Hazardous Reactions</b>	Reacts violently with water

**11. TOXICOLOGICAL INFORMATION****Product Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Benzenesulfonyl Isocyanate, 4-Methyl-	= 2234 mg/kg ( Rat )	-	>640 ppm ( Rat ) 1 h

**Oral LD50**

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

**Information on likely routes of exposure**

- Eyes** Causes eye irritation. Avoid contact with eyes.
- Skin** Causes skin irritation. Avoid contact with skin.
- Inhalation** May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause irritation of respiratory tract. Avoid breathing vapors or mists.
- Ingestion** Do not take internally.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Chemical name	ACGIH	IARC	NTP	OSHA
Benzenesulfonyl Isocyanate, 4-Methyl-4083-64-1	-	-	-	-

- Serious eye damage/irritation** No information available.
- Skin Corrosion/Irritation** No information available.
- Sensitization** No information available.
- Reproductive Effects** No information available.
- Mutagenic Effects** No information available.
- Developmental Effects** No information available.
- STOT - single exposure** No information available.
- STOT - Repeated Exposure** No information available.
- Aspiration Hazard** No information available.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Avoid release to the environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Benzenesulfonyl Isocyanate, 4-Methyl-4083-64-1	-	-	-	-

- Persistence/Degradability** No information available.
- Bioaccumulation/Accumulation** No information available.
- Mobility in Soil** No information available.

<b>Chemical name</b>	<b>log Pow =</b>
Benzenesulfonyl Isocyanate, 4-Methyl-4083-64-1	-

**Other adverse effects** No information available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Disposal Methods** Contact waste disposal services. Dispose of in accordance with local regulations.

**Contaminated Packaging** Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. TRANSPORT INFORMATION

**DOT** Not regulated  
**Emergency Response Guide Number** 155

**TDG** Not regulated

**MEX** Not regulated

**ICAO** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**RID** Not regulated

**ADR** Not regulated

**ADN** Not regulated  
**Limited Quantity** LQ7

### 15. REGULATORY INFORMATION

#### International Inventories

**TSCA** Complies  
**Canada (DSL)** Complies  
**EU (EINECS)** Complies  
**EU (ELINCS)** Does not comply  
**Japan (ENCS)** Complies  
**China (IECSC)** Complies  
**Korea (KECL)** Complies  
**Philippines (PICCS)** Complies  
**Australia (AICS)** Complies  
**Mexico INV** Does not comply  
**Taiwan INV** Complies

Chemical name	U.S.A. (TSCA)	Canada (DSL)	EU (EINECS)	EU (ELINCS)
Benzenesulfonyl Isocyanate,	Present	Present	X	-

4-Methyl-					
<b>Component</b>	<b>Japan (ENCS)</b>	<b>China (IECSC)</b>	<b>Korea (KECL)</b>	<b>Philippines (PICCS)</b>	<b>Australia (AICS)</b>
-	Present (3)-2222	Present	Present	Present	Present
<b>Chemical name</b>		<b>Mexico INV</b>		<b>Taiwan INV</b>	
Benzenesulfonyl Isocyanate, 4-Methyl-4083-64-1		-		Present	

Federal Regulations

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any HAPs.

**VOC content**

This Product does not contain any VOCs

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Benzenesulfonyl Isocyanate, 4-Methyl-4083-64-1	-	-	-	-

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical name	CERCLA/SARA Hazardous Substances	CERCLA/SARA RQ	RQ
Benzenesulfonyl Isocyanate, 4-Methyl-4083-64-1	-	-	-



## State Regulations

### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### State Right-to-Know

This product does not contain any State Right-to-Know chemicals.

Chemical name	New Jersey	Massachusetts	Illinois	Rhode Island	Pennsylvania
Benzenesulfonyl Isocyanate, 4-Methyl-4083-64-1	-	-	-	-	-

### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable

## Canada

### WHMIS Statement

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (SOR/2015-17) and the SDS contains all the information required by SOR/2015-17.

## 16. OTHER INFORMATION

### NFPA

Health 2

Flammability 2

Instability 0

Physical Hazard 0



**Issuing Date**

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Not available

### 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**