

MATERIAL SAFETY DATA SHEET  
1,2,5,6-DIEPOXYCYCLOOCTANE 97%

**Section 1 - Chemical Product and Company Identification**

<b>MSDS Name:</b>	1,2,5,6-DIEPOXYCYCLOOCTANE 97%
<b>Catalog Numbers:</b>	1.21
<b>Synonyms:</b>	2,7-dioxatricyclo[4.4.0.03,8]decane
<b>Company Identification:</b>	Tau-Chem, Ltd. Nobelova 34, P.O. Box 29 836 05 Bratislava, Slovak Republic Phone: +421 2 44 452 252 Fax: +421 2 44 457 645
<b>POISON CENTER:</b>	National Toxicological Information Centre
<b>Emergency Numbers Slovakia:</b>	Limbová 5, 833 05 Bratislava, Phone: +421 2 54 774 166 Fax: +421 2 54 774 605

**Section 2 - Hazards Identification****Classification of the substance or mixture**

According to Regulation (EC) No 1272/2008  
Not a dangerous substance according to GHS.

According to European Directive 67/548/EEC as amended.

This substance is not classified as dangerous according to Directive 67/548/EEC.

**Label elements**

Caution – substance not yet tested completely.

**Safety phrases**

24/25	Avoid contact with skin and eyes.
Precautionary statement(s)	
P280	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
<b>Other hazards</b>	None.

**Section 3 - Composition, Information on Ingredients**

CAS#	Chemical Name:	%	EINECS#
27035-39-8	1,2,5,6-DIEPOXYCYCLOOCTANE	97	248-180-1
<b>Classification</b>	This substance is not classified as dangerous according to Directive 67/548/EEC.		
For the full text of the H-Statements mentioned in this Section, see Section 16.			

**Section 4 - First Aid Measures**

**General advice:** Consult a physician.

<b>If inhaled:</b>	If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.
<b>In case of skin contact:</b>	Wash off with soap and plenty of water. Consult a physician.
<b>In case eye contact:</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>If swallowed:</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### Section 5 - Fire Fighting Measures

<b>Suitable extinguishing media:</b>	Use water, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Special protective equipment for fire-fighters:</b>	Wear self contained apparatus breathing apparatus for fire fighting if necessary.

### Section 6 - Accidental Release Measures

<b>Personal precautions:</b>	Use personal protective equipment. Avoid breathing of vapours or mist. Ensure adequate ventilation.
<b>Environmental precautions:</b>	Do not let product enter drains.
<b>Methods and materials for containment and cleaning up:</b>	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

### Section 7 - Handling and Storage

<b>Precautions for safe handling:</b>	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure.
<b>Conditions for safe storage:</b>	Store in a cool, dry and well ventilated place. Store in a tightly closed container. Recommended storage temperature: 2-8 °C

### Section 8 - Exposure Controls, Personal Protection

<b>Personal protective equipment:</b>	
<b>Respiratory protection:</b>	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
<b>Hand protection</b>	The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.
<b>Eye protection:</b>	Safety glasses with side-shields conforming to EN 166. Use equipment for eye protection tested and approved under appropriate government standards as NIOSH (US) or EN 166 (EU)
<b>Skin and body protection:</b>	Impervious body protection according to the amount and concentration of the dangerous substance at the work place.
<b>Hygiene</b>	Handle in accordance with good industrial hygiene and safety practice. Wash

**measures:** hands before breaks and at the end of workday.

## Section 9 - Physical and Chemical Properties

### Appearance

Form: Liquid  
Colour: Colourless to slightly yellow

### Safety data:

pH Not available  
Melting point: Not available  
Boiling Point: 90 °C / 5 mm Hg  
Flash Point: 105 °C  
Ignition temperature: Not available  
Explosion Limits: Lower: Not available  
Explosion Limits: Upper: Not available  
Solubility in water: Not available  
Specific density: 1.138 g/cm<sup>3</sup> (25 °C)  
Refractive Index: 1.4960 (lit.)  
Molecular Formula: C<sub>8</sub>H<sub>12</sub>O<sub>2</sub>  
Molecular Weight: 140.18 g/mol

## Section 10 - Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions.  
Conditions to avoid: Not available  
Materials to avoid: Strong oxidizing agents, acids, bases.  
Hazardous Decomposition Products: Hazardous decomposition products under fire conditions.  
– Carbon oxides.

## Section 11 - Toxicological Information

Acute toxicity No data available  
Skin corrosion/irritation No data available  
Serious eye damage/eye irritation No data available  
Respiratory or skin sensitization No data available  
Germ cell mutagenicity No data available  
Carcinogenicity:

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity: No data available  
Specific target organ toxicity – single exposure: Inhalation – May cause respiratory irritation.  
Specific target organ toxicity – repeated exposure: No data available  
Aspiration hazard: No data available

**Potential health effect:**

**Inhalation** May be harmful if inhaled.  
**Ingestion** May be harmful if swallowed.  
**Skin** May be harmful if absorbed through skin.  
**Eyes** May cause serious eye irritation

**Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

**Additional Information**

RTECS: No data available

**Section 12 – Ecological Information**

**Toxicity:** No data available  
**Persistence and degradability** No data available  
**Bioaccumulative potential** No data available  
**Mobility in soil** No data available  
**PBT and vPvB assessment** No data available  
**Other adverse effects** No data available

**Section 13 - Disposal Considerations**

**Product** Observe all federal, state and local environmental regulations.  
**Contaminated packaging** Dispose of as unused product.

**Section 14 - Transport Information**

	<b>IATA</b>	<b>IMDG</b>	<b>RID/ADR</b>
<b>Shipping Name:</b>	Not dangerous goods	Not dangerous goods	Not dangerous goods
<b>Hazard Class:</b>			
<b>UN Number:</b>			
<b>Packing Group:</b>			

**Section 15 - Regulatory Information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

**Section 16 - Other Information**

**MSDS Creation Date:**23/02/2007

**Revision #1:** 17/12/2010

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.