

SAFETY DATA SHEET  
5-HYDROXY-1-CYCLOOCTENE 97%**Section 1 - Chemical Product and Company Identification****1.1 Product identifiers**

Product name: 5-HYDROXY-1-CYCLOOCTENE 97%  
CAS-No. 4277-34-3  
EINECS-No. Not listed  
Catalog Numbers: 9.159  
**Synonyms:** Cyclooct-4-enol

**1.2 Relevant identified uses of substance or mixture and uses advised against**

Identified uses Laboratory chemicals, Manufacture of substances

**1.3 Details of the supplier of the safety data sheet**

Company: TAU-CHEM, Ltd.  
Nobelova 34, P.O. Box 29  
836 05 Bratislava, Slovak Republic  
Telephone +421 2 44 452 252  
Fax +421 2 44 457 645

**POISON CENTER:** National Toxicological Information Centre  
Limbová 5, 833 05 Bratislava,

**1.4 Emergency telephone:** +421 2 54 774 166

**Section 2 - Hazards Identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Acute toxicity, Oral (Category 4)  
Eye irritation (Category 2)  
Skin irritation (Category 2)  
Specific target organ toxicity – single exposure (Category 3)

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

Harmful if swallowed. Irritating to eyes and skin.

**Labeling according to Regulation (EC) No 1272/2008 [CLP]****2.2 Label elements**

Pictogram



Signal word

Warning

Hazard statement(s)

H302

Harmful if swallowed.

H315	Causes skin irritation.
H319	Causes serious eye irritation.
Precautionary statement(s)	
P261	Avoid breathing dust/ fume/gas/mist/vapor/spray.
P280	Wear protective gloves/protective clothing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations

Hazard symbol(s)

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



Hazard symbol(s)

Xn

Harmful

R-phrase(s)

R22

Harmful if swallowed.

R36/38

Irritating to eyes and skin.

S-phrase(s)

S26

In case of contact with eyes rinse immediately with plenty of water and seek for medical advice.

S36/37/39

Wear suitable protective clothing, gloves and eye/face protection.

**2.3 Other hazards**

None.

### Section 3 - Composition, Information on Ingredients

#### 3.1 Substances

CAS#	Chemical Name:	%	EINECS#
4277-34-3	5-HYDROXY-1-CYCLOOCTENE	97	Not listed
<b>Synonyms</b>	Cyclooct-4-enol		
<b>Formula</b>	C <sub>8</sub> H <sub>14</sub> O		
<b>Molecular weight</b>	126.20 g/mol		

### Section 4 - First Aid Measures

#### 4.1 Description of first aid measures

<b>General advice:</b>	Consult a physician. Show this safety data sheet to the doctor in attendance.
<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</b>	Wash off with soap and plenty of water. Consult a physician.

**contact:**

**In case eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

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

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

No data available

## **Section 5 - Firefighting Measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media:**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Special hazards arising from the substance or mixture**

Carbon oxides.

### **5.3 Advice for firefighters**

Wear self-contained apparatus breathing apparatus for firefighting if necessary.

### **5.4 Further information**

No data available

## **Section 6 - Accidental Release Measures**

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

### **6.2 Environmental precautions**

Do not let product enter drains

### **6.3 Methods and materials for containment and cleaning up**

Soak up and then collect with absorbent material, arrange disposal. Keep in suitable, closed containers for disposal.

### **6.4 Reference to other sections**

For disposal see section 13.

## **Section 7 - Handling and Storage**

### **7.1 Precautions for safe handling:**

Avoid breathing dust, vapour, mist, or gas. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation.

### **7.2 Conditions for safe storage**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

### **7.3 Specific end uses**

No data available

## Section 8 - Exposure Controls, Personal Protection

### 8.1 Control parameters

#### Component with workplace control parameters

### 8.2 Exposure controls

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

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Safety glasses with side-shields conforming to EN 166. Use equipment for eye protection tested and approved under appropriate

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### Body protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## Section 9 - Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

- |   |  |
|---|--|
| a) Appearance                                     | Form: liquid<br>Colour: colourless to light yellow |
| b) Odour  | No data available                                  |
| c) Odour Threshold                                | No data available                                  |
| d) pH   | No data available                                  |
| e) Melting point/freezing point                   | No data available                                  |
| f) Initial boiling point and boiling point range: | 101 - 105 °C / 10 mm Hg                            |
| g) Flash Point:                                   | No data available                                  |
| h) Evaporation rate                               | No data available                                  |
| i) Flammability (solid, gas)                      | No data available                                  |
| j) Upper/lower flammability                       |  |

or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	No data available
n) Water solubility	No data available
o) Partition coefficient: n-octanol/water	No data available
p) Autoignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosives properties	No data available
t) Oxidizing properties	No data available

## 9.2 Other safety information

No data available

## Section 10 - Stability and Reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

No data available

### 10.3 Possibility of hazardous reaction

No data available

### 10.4 Conditions to Avoid

No data available

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous Decomposition Products

Other decomposition products – no data available

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

**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.



ADR/RID: -

IMDG: -

IATA: -

**14.6 Special precautions for user**

No data available

## Section 15 - Regulatory Information

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

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

No data available

**15.6 Chemical Safety Assessment**

No data available

## Section 16 - Other Information

**SDS version:** 3

**Revision date:** 02/03/2012

**Further information**

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

Disclaimer:

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. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.