

**MATERIAL SAFETY DATA SHEET**  
**2,4,6-TRIMETHYLBENZYL CHLORIDE 98%**

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

<b>MSDS Name:</b>	2,4,6-TRIMETHYLBENZYL CHLORIDE 98 %
<b>Catalog Numbers:</b>	11.6
<b>Synonyms:</b>	$\alpha^2$ Chloroisodurene
<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: +421 244 457 645
Relevant identified uses of substance or mixture and uses advised against	
Identified uses	Laboratory chemicals, Manufacture of substances
<b>POISON CENTER:</b>	National Toxicological Information Centre Limbová 5, 833 05 Bratislava,
<b>Emergency Numbers Slovakia:</b>	Phone: +421 2 54 774 166 Fax: +421 2 54 774 605

**Section 2 – Hazards Identification**

**Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [CLP]**


Skin corrosion (Category 1B)

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

Causes burns.

**Labelling according to Regulation (EC) No 1272/2008 [CLP]**

**Label elements**

Pictogram	
Signal word	Danger
Hazard statement(s)	
H314	Causes severe skin burns and eye damage.
Precautionary statement(s)	
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.
P310	Immediately call a POISON CENTER or doctor/physician.
Hazard symbol(s)	
<b>According to European Directive 67/548/EEC as amended</b>	
C	Corrosive.
R-phrases(s)	

R34	Causes burns.
S-phrases(s)	
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27	Take off immediately all contaminated clothing.
S28	After contact with skin, wash immediately with plenty of water.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
<b>Other hazards</b>	None.

### Section 3 – Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
1585-16-6	2,4,6-TRIMETHYLBENZYL CHLORIDE	98	216-440-3

**Classification** Skin Corr. 1B  
H314  
C; R34

For the full text of the H-Statements mentioned in this Section, see Section 16.

### Section 4 – 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 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 spray, 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 dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
<b>Environmental precautions:</b>	Do not let product enter drains.
<b>Methods and materials for containment and</b>	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

cleaning up:

## Section 7 – Handling and Storage

<b>Precautions for safe handling:</b>	Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
<b>Conditions for safe storage:</b>	Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.

## Section 8 – Exposure Controls, Personal Protection

Contains no substances with occupational exposure limit values.

### Personal protective equipment:

<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>	Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
<b>Skin and body protection:</b>	Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
<b>Hygiene measures:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## Section 9 – Physical and Chemical Properties

### Appearance

Form:	Powder
Color:	White
<b>Safety data:</b>	
<b>pH</b>	Not available
<b>Freezing/Melting Point:</b>	39 - 42 °C - lit.
<b>Boiling Point:</b>	Not available
<b>Flash Point:</b>	106 °C - closed cup
<b>Ignition temperature:</b>	Not available
<b>Explosion Limits: Lower:</b>	Not available
<b>Explosion Limits: Upper:</b>	Not available
<b>Solubility in water:</b>	Not available
<b>Density:</b>	Not available
<b>Refractive index:</b>	Not available
<b>Optical Rotation:</b>	Not available

**Molecular Formula:** C<sub>10</sub>H<sub>13</sub>Cl  
**Molecular Weight:** 168.66 g/mol

### Section 10 – Stability and Reactivity

**Chemical Stability:** Stable under recommended storage conditions.  
**Conditions to Avoid:** Incompatible materials.  
**Materials to avoid:** Bases, Amines, Oxidizing agents  
**Hazardous Decomposition Products** Carbon oxides, Hydrogen chloride gas

### Section 11 – Toxicological Information

**Acute toxicity** No data available  
**Oral LD50** No data available  
**Inhalation LC50** No data available  
**Dermal LD50** No data available  
**Other information on 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.  
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.  
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.  
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** No data available  
**Teratogenicity** No data available  
**Specific target organ toxicity – single exposure (GHS)** No data available  
**Specific target organ toxicity – repeated exposure (GHS)** No data available  
**Aspiration hazard** No data available

**Potential health effect:**

**Inhalation** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.  
**Ingestion** May be harmful if swallowed.  
**Skin** Harmful if absorbed through skin. Causes skin burns.  
**Eyes** Causes eye burns.

**Signs and Symptoms of Exposure**

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema

of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting

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

#### Additional Information

RTECS: Not available.

### Section 12 – Ecological Information

<b>Toxicity:</b>	No data available
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>PBT and vPvB assessment</b>	No data available
<b>Other adverse effects</b>	No data available

### Section 13 – Disposal Considerations

<b>Product</b>	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
<b>Contaminated packaging</b>	Dispose of as unused product.

### Section 14 – Transport Information

	<b>IATA</b>	<b>IMDG</b>	<b>RID/ADR</b>
<b>Shipping Name:</b>	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.
<b>Hazard Class:</b>	8	8	8
<b>UN Number:</b>	3261	3261	3261
<b>Packing Group:</b>	II	II	II
		EMS No. F-A; S-B Marine pollutant: No	

### Section 15 – Regulatory Information

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

### Section 16 – Other Information

#### Text of H-code(s) and R-phrase(s) mentioned in Section 3

Skin Corr.	Skin corrosion.
Eye Dam.	Eye damage
H314	Causes severe skin burns and eye damage.
C	Corrosive.
R34	Causes burns.

**MSDS Creation Date: 27/2/2007**

**Revision #1 Date:30/08/2011**

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.