

**MATERIAL SAFETY DATA SHEET**  
**3-CHLORO-6-HYDRAZINOPYRIDAZINE 98%**

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

**MSDS Name:** 3-CHLORO-6-HYDRAZINOPYRIDAZINE 98%  
**Catalog Numbers:** 10.78  
**Synonyms:** (3-Chloropyridazin-6-yl)hydrazine  
 Relevant identified uses of substance or mixture and uses advised against  
 Identified uses Laboratory chemicals, Manufacture of substances

**Company Identification:** Tau-Chem, Ltd.  
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**POISON CENTER:** National Toxicological Information Centre  
 Limbová 5, 833 05 Bratislava

**Emergency Numbers Slovakia:** Phone: +42 2 54 774 166 Fax: +42 2 54 774 605

**Section 2 – Hazards Identification**

**Classification of the substance or mixture**

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

Skin irritation (Category 2)  
 Eye irritation (Category 2)  
 Specific target organ toxicity – single exposure (Category 3)

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

Irritating to eyes, respiratory system and skin.

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

**Label elements**

Pictogram



Signal word

Warning

Hazard statement(s)

H315

Causes skin irritation.

H319

Causes serious eyes irritation.

H335

May cause respiratory irritation.

Precautionary statement(s)

P261

Avoid breathing dust/ fume/gas/mist/vapour/spray.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present and easy to do. Continue

P302+P352 rinsing.  
 IF ON SKIN: Wash with plenty of soap and water.  
 P321 Specific treatment.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulation (to be specified).

Hazard symbol(s)

According to European Directive 67/548/EEC as amended



Xi

Irritant

R-phrase(s)

R36/37/38

Irritating to eyes, respiratory system and skin.

S-phrase(s)

S26

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

S37

Wear suitable gloves.

Other hazards

None.

### Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
17284-97-8	3-CHLORO-6-HYDRAZINOPYRIDAZINE	98	Unlisted

**Classification** Skin Irrit. 2; Eye Irrit. 2; STOT SE 3;  
 H315, H319, H335,  
 Xi, R36/37/38

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. Show this safety data sheet to the doctor in attendance.

**If inhaled:** If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

**In case of skin contact:** Wash off with soap and plenty of water. Consult a physician.

**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.

## 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.
<b>Further information:</b>	In case of fire, the following can be released: Carbon monoxide, carbon dioxide, hydrogen chloride(g), chlorine, nitrogen oxides(g).

## 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>	Vacuum or sweep up material and place into a suitable disposal container. Keep in suitable, closed containers for disposal.

## Section 7 - Handling and Storage

<b>Precautions for safe handling:</b>	Avoid contact with skin and eyes. Avoid inhalation of vapours or mist. Keep away from sources of ignition – No smoking.
<b>Conditions for safe storage:</b>	Store in cool, dry place. Keep container tightly closed in a dry and well-ventilated place.

## 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 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 to flakes  
Colour: Tan

### Safety data:

pH Not available  
Melting Point: 134 - 140°C  
Boiling Point: Not available  
Flash Point: Not available  
Ignition temperature: Not available  
Explosion Limits: Lower: Not available  
Explosion Limits: Upper: Not available  
Solubility in water: Not available  
Specific density: Not available  
Refractive Index: Not available  
Molecular Formula: C<sub>4</sub>H<sub>5</sub>ClN<sub>4</sub>  
Molecular Weight: 144.56 g/mol

## Section 10 - Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions.  
Conditions to Avoid: Incompatible materials.  
Materials to avoid: Strong oxidizing agents, strong acids, acid chlorides.  
Hazardous Decomposition Products: Hazardous decomposition products under fire conditions  
– Carbon oxides, nitrogen oxides, hydrogen chloride.

## Section 11 - Toxicological Information

Acute toxicity No data available  
Skin corrosion/irritation No data available  
Serious eye damage/eye irritation Irritant effect.  
Respiratory or skin sensitization Irritant for skin and mucous membranes.  
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

<b>Aspiration hazard</b>	No data available
<b>Potential health effect:</b>	
<b>Inhalation</b>	May be harmful if inhaled. Causes respiratory tract irritation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin</b>	May be harmful if absorbed through skin. Causes skin irritation.
<b>Eyes</b>	Causes 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**

<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>	Observe all federal, state and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.
<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>	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

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

Eye Irrit.	Eye irritation.
Skin Irrit.	Skin Irritation.
STOT SE	Specific target organ toxicity – single exposure
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H355	May cause respiratory irritation.
Xi	Irritant.
R36/37/38	Irritating to eyes, respiratory system and skin.

**MSDS Creation Date:** 15/5/2009

**Revision #1:**12/10/2011

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.