

MATERIAL SAFETY DATA SHEET
5-CHLOROTHIOPHENE-2-CARBALDEHYDE 97%

Section 1 - Chemical Product and Company Identification

MSDS Name: 5-CHLOROTHIOPHENE-2-CARBALDEHYDE 97%
Catalog Numbers: 7.24
Synonyms:
Company Identification: 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

Relevant identified uses of substance or mixture and uses advised against
 Identified uses Laboratory chemicals, Manufacture of substances

POISON CENTER: National Toxicological Information Centre
Emergency Numbers Slovakia: 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
 Acute toxicity Inhalation (Category 4)
 Acute toxicity Oral (Category 4)
 Acute toxicity Dermal (Category 4)

According to European Directive 67/548/EEC as amended.
 Harmful by inhalation, in contact with skin and if swallowed.

Label elements



Signal word	Warning
Hazard statement(s)	
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
Precautionary statement(s)	
P261	Avoid breathing dust/ fume/gas/mist/vapor/spray.
P280	Wear protective gloves/eye protection/face protection.
P305+P351+P338	IF <u>IN EYES</u> : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352	IF ON SKIN: Gently wash with plenty of soap and water.
7.27	

P501	Dispose of contents/container in accordance with local/regional/national/international regulation (to be specified).
Hazard symbol(s)	
Xn	Harmful
R-phrases(s)	
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
S-phrases(s)	
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Other hazards	None.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
7283-96-7	5-CHLOROTHIOPHENE-2-CARBALDEHYDE	99	230-708-7
Classification	Acute Tox. 4; H302, H312, H332 Xn, R20/21/22		

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.
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

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

Section 6 - Accidental Release Measures

Personal precautions: Use personal protective equipment. Avoid breathing of vapours or mist. Ensure adequate ventilation.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

Precautions for safe handling: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in cool place.

Section 8 - Exposure Controls, Personal Protection

Personal protective equipment:

Respiratory protection: 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).

Hand protection 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.

Eye protection: 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)

Skin and body protection: Impervious body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures: 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: Liquid
Smell: Not available

Safety data:

pH Not available
Melting point: Not available
Boiling Point: 99 °C at 28 hPa - lit.
Flash Point: 98 °C - closed cup
Ignition temperature: Not available
Explosion Limits: Lower: Not available
Explosion Limits: Upper: Not available
Solubility in water: Not available
Density: 1,376 g/cm³ at 25 °C
Refractive Index: Not available

7.27

3

5-CHLOROTHIOPHENE-2-CARBALDEHYDE

Molecular Formula: C₅H₃ClOS
Molecular Weight: 146,59 g/mol

Section 10 - Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions.
Conditions to avoid: Heat, flames and sparks.
Materials to avoid: Strong oxidizing agents.
Hazardous Decomposition Products Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sulphur oxides, Hydrogen chloride gas

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 – Harmful to mucous membranes and respiratory system.
Specific target organ toxicity – repeated exposure No data available
Aspiration hazard No data available
Potential health effect:
Inhalation Harmful if inhaled. May cause respiratory tract irritation.
Ingestion Harmful if swallowed.
Skin Harmful if absorbed through skin. May cause skin irritation.
Eyes May cause 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	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.
Contaminated packaging	Dispose of as unused product.

Section 14 - Transport Information

	IATA	IMGD	RID/ADR
Shipping Name:	Not dangerous goods	Not dangerous goods	Not dangerous goods
Hazard Class:			
UN Number:			
Packing Group:			

Section 15 - Regulatory Information

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

Section 16 - Other Information

Acute Tox.	Acute toxicity.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
Xn	Harmful.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.

MSDS Creation Date: 14/07/2011

Revision #0:

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.