

MATERIAL SAFETY DATA SHEET
2-THIOPHENEMETHYLAMINE 90%

Section 1 - Chemical Product and Company Identification

MSDS Name: 2-THIOPHENEMETHYLAMINE 90%

Catalog Numbers: 7.28

Synonyms: 2-(Aminomethyl)thiophene

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
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Section 2 - Hazards Identification

Classification of the substance or mixture

According to Regulation (EC) No 1272/2008
 Skin Corrosion (Category 1B)

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

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/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation.
Hazard symbol(s)	
C	Corrosive

R-phrase(s)	
R34	Causes burns.
S-phrase(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.
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).
Other hazards	Lachrymator.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
27757-85-3	2-THIOPHENEMETHYLAMINE	90	248-639-6
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

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. 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
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:	For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.
Special protective equipment for fire-fighters:	Wear self contained breathing apparatus for fire fighting if necessary.
Further information:	Use water spray to cool unopened containers.

Section 6 – Accidental Release Measures

Personal precautions:	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental precautions:	Prevent further leakage or spillage if safe to do. Do not let product enter drains.
Methods and materials for containment and cleaning up	Contain spillage and then collect with an electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations. (See section 13)

Section 7 – Handling and Storage

Precautions for safe handling:	Avoid contact with skin and eyes. Avoid inhalation of vapor, mist and gas. Ensure adequate ventilation. Keep away from sources of ignition. – No smoking. Take measures to prevent to build up of electrostatic charge.
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.

Section 8 – Exposure Controls, Personal Protection

Personal protective equipment:	
Control parameters	
Components with workplace control parameters	
Exposure controls	
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	Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
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	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.
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).

Section 9 – Physical and Chemical Properties

Appearance

Form: Liquid
Colour: Yellow

Safety data:

pH Not available
Vapour pressure: Not available
Melting Point: Not available
Boiling Point: 95 - 99 °C at 37 hPa - lit.
Flash Point: 74 °C - closed cup
Ignition temperature: Not available
Explosion Limits: Lower: Not available
Explosion Limits: Upper: Not available
Solubility in water: Not available
Density: 1,103 g/cm³ at 25 °C
Refractice Index: 1.5650 – 1.5680
Molecular Formula: C₅H₇NS
Molecular Weight: 113.18 g/mol

Section 10 – Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions.
Moisture sensitive.
Conditions to Avoid: Heat, flames and sparks.
Materials to avoid: Strong oxidizing agents, strong bases.
Hazardous Decomposition Products Hazardous decomposition products under fire conditions.
– Carbon oxides, sulphur oxides, nitrogen 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: No data available

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 No data available
Specific target organ toxicity – No data available

repeated exposure

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. Causes burns.

Skin May be 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

Additional Information

RTECS: Data not 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 This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging Dispose of as unused product.

Section 14 – Transport Information

	IATA	IMDG	RID/ADR
Shipping Name:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
Hazard Class:	8	8	8
UN Number:	3267	3267	3267
Packing Group:	II	II	II
		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-phrases mentioned in Section 3

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

MSDS Creation Date: 04/07/2007

Revision #1 Date: 15/06/2011

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.