

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: 4-Trifluoromethylthiobenzaldehyde

Synonyms:

Company Identification: PI Chemicals Ltd.

Building B, 633 E Shan Road, Pudong New Area

Shanghai 200127, China

 Telephone Number:
 86-21-58953700

 Fax Number:
 86-21-58953701

Section 2 - Product Information

Catalog Number: PI-10104
CAS Number: 4021-50-5
MDL Number: MFCD00129191

EC Number: Not available

Purity: 98%

Section 3 - Physical and Chemical Properties

Physical state: Solid

Color: White crystalline Molecular Formula: $C_8H_5F_3OS$ Molecular Weight: 206.18

Freezing/Melting Point: 29.0 - 31.0 °C

Boiling Point: 219 °C 760 mmHg

Flash Point: 212 °F 100 °C Method: closed cup

Autoignition Temperature: Not available

Refractive Index: 1.511

Density: Not availableDecomposition Temperature: Not availableSolubility: Soluble in water

Section 4 - Hazards Identification

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.Skin: May be harmful if absorbed through skin. Causes skin irritation.

Eyes: Causes eye irritation.



Ingestion: May be harmful if swallowed.

Section 5 - First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

Move out of dangerous area.

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 of 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 6 - Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions.

Materials to avoid: Strong oxidizing agents.

Conditions to Avoid: Incompatible materials.

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides.

Hazardous Polymerization: Will not occur.

Section 7 - Handling and Storage

Handling: User Exposure: Do not breathe dust. Avoid contact with eyes, skin, and clothing.

Avoid prolonged or repeated exposure.

Storage: Suitable: Keep tightly closed. Store in a cool dry place. Store under nitrogen.

Store under inert gas.

Section 8 - Personal Protection

Eyes: Wear appropriate protective eyeglasses.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms

are experienced.

Section 9 - Fire and Explosion Hazard Data

General Information: As in any fire, wear a self-contained breathing apparatus, MSHA/NIOSH

(approved or equivalent) and protective clothing to prevent contact with skin

and eyes.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.



Section 10 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

Section 11 - Toxicological Information

RTECS#: CAS# 4021-50-5: Not available.

LD50/LC50: RTECS: Not available.

Carcinogenicity: 4-Trifluoromethylthiobenzaldehyde

-Not listed as a carcinogen by ACGIH, IARC, NTP, or OSHA.

Section 12 - Environmental information

Not available

Section 13 - Disposal Consideration

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

Section 14 - Transport Information

IATA: This substance is considered to be non-hazardous for transport.

IMO: This substance is considered to be non-hazardous for transport.

RID/ADR: This substance is considered to be non-hazardous for transport.

Section 15 - Regulatory Information

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: Xi

Indication of Danger: Irritant.

R: 36/37/38

Risk Statements: Irritating to eyes, respiratory system and skin.

S: 26-36

Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

US CLASSIFICATION AND LABEL TEXT

Indication of Danger: Irritant.

Risk Statements: Irritating to eyes, respiratory system and skin.

Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical

advice. Wear suitable protective clothing.



UNITED STATES REGULATORY INFORMATION SARA LISTED: No

CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No NDSL: No

Section 16 - Additional Information

MSDS Creation Date: June 20, 2008

Update: December 29, 2010

The above information is believed to be accurate and represents the best knowledge available to us currently. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall PI Chemicals, be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, even if PI Chemicals has been advised of the possibility of such damages.