

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: 2,8-Dibromodibenzothiophene
Synonyms: Dibenzothiophene, 2,8-Dibromo- (9 CI)
Company Identification: PI Chemicals Ltd.
Building B, 633 E Shan Road, Pudong New Area
Shanghai 200127, China
Telephone Number: 86-21-58953700
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Section 2 - Product Information

Catalog Number: PI-14315
CAS Number: 31574-87-5
MDL Number: MFCD00092755
Purity: 96%

Section 3 - Physical and Chemical Properties

Physical state: Solid
Color: White to Off-white
Molecular Formula: C₁₂H₆Br₂S
Molecular Weight: 342.05
Freezing/Melting Point: 226 °C
Boiling Point: Not available
Flash Point: Not available
Autoignition Temperature: Not available
Refractive Index (n_D20): Not available
Density: Not available
Decomposition Temperature: Not available
Solubility: Not available

Section 4 - Hazards Identification

Eye: Causes eye irritation.
Skin: Causes skin irritation. Harmful if absorbed through the skin.
Ingestion: May cause irritation of the digestive tract. Toxic if swallowed.
Inhalation: Harmful if inhaled. Causes respiratory tract irritation.

Section 5 - First Aid Measures

<i>If inhaled:</i>	If breathed in, move person into fresh air. If not breathing give artificial respiration.
<i>In case of skin contact:</i>	Wash off with soap and plenty of water.
<i>In case of eye contact:</i>	Flush eyes with water as a precaution.
<i>If swallowed:</i>	Never give anything by mouth to an unconscious person. Rinse mouth with water.

Section 6 - Stability and Reactivity

<i>Chemical Stability:</i>	Stable under recommended storage conditions.
<i>Conditions of Instability:</i>	Avoid excessive heat and light.
<i>Incompatibilities:</i>	oxidizing agents
<i>Hazardous decomposition products:</i>	Carbon oxides, Sulphur oxides, Hydrogen bromide gas

Section 7 - Handling and Storage

<i>Handling:</i>	Provide appropriate exhaust ventilation at places where dust is formed.
<i>Storage:</i>	Keep container tightly closed in a dry and well-ventilated place. Away from heat and light.

Section 8 - Personal Protection

<i>Eyes:</i>	Wear appropriate protective eyeglasses.
<i>Skin:</i>	Wear appropriate protective gloves to prevent skin exposure.
<i>Clothing:</i>	Wear appropriate protective clothing to prevent skin exposure.
<i>Respirators:</i>	Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Fire and Explosion Hazard Data

<i>General Information:</i>	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.
<i>Extinguishing Media:</i>	Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Section 10 - Accidental Release Measures

<i>General Information:</i>	Use proper personal protective equipment as indicated in Section 8.
<i>Spills/Leaks:</i>	Vacuum or sweep up material and place into a suitable disposal container.

Section 11 - Toxicological Information

RTECS#: CAS# 31574-87-5: not available.
LD50/LC50: not available.
Carcinogenicity: 2,8-Dibromodibenzothiophene -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: UN-Number: 2811 Class: 6.1 Packing group: III.
IMO: UN-Number: 2811 Class: 6.1 Packing group: III.
RID/ADR: UN-Number: 2811 Class: 6.1 Packing group: III.

Section 15 - Regulatory Information

Hazard Symbols: Xn

Indication of Danger: Harmful

Not listed In TSCA.

Risk Phrases:

R 20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R 36/37/38: Irritating to eyes, respiratory system and skin.

Safety Phrases:

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S37/39: Wear suitable gloves and eye/face protection

Section 16 - Additional Information

MSDS Creation Date: 22 May, 2008

Update: 27 June, 2011

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

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