

SAFETY DATA SHEET

Section 1 - Identification of Substance or Mixture and Company

Product identify:

Product name: 3-Bromo methyl biphenyl
Synonyms: 3-Phenylbenzyl bromide
Catalog number: PI-24118

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances

Details of the supplier of the safety data sheet

Company identification: PI Chemicals Ltd.
633 Eshan Road,
Pudong New Area, Shanghai China, 201203

Telephone number: +86-21-58953700

Fax number: +86-21-58953701

E-mail address: info@pipharm.com

Emergency telephone number

Emergency number: +86-21-58953706

Section 2 - Hazards Identification

Classification of the substance or mixture:

Regulation (EC) No 1272/2008

OSHA Hazards

Harmful by ingestion., Corrosive

GHS Classification

Acute toxicity, Oral (Category 4)

Skin corrosion (Category 1B)

Serious eye damage (Category 1)

Acute aquatic toxicity (Category 1)

Chronic aquatic toxicity (Category 4)

Label elements

Classification according to (EC) No 1272/2008



Signal word: Danger

Hazard statement(s):

H302: Harmful if swallowed

H314: Causes severe skin burns and eye damage

H400: Very toxic to aquatic life

H413: May cause long lasting harmful effects to aquatic life

Precautionary statement(s)

P273: Avoid release to the environment

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

P310: Immediately call a POISON CENTER or doctor/ physician

Accroding to EU Directive 67/548/EEC or 1999/45/EC.

Symbol(s): C Corrosive N Dangerous for the environment

Risk phrases:

R 22: Harmful if swallowed

R 32: Causes burns

R 50/53: Very Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety phrases:

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S 36/37/39: Wear suitable protective clothing, gloves and eye/face protection

S 45: In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

S 60: This material and/or its container must be disposed of as hazardous waste

S 61: Avoid release to the environment. Refer to special instructions safety data sheet

HMIS classification:

Health hazard: 3

Chronic health hazard: *

Flammability: 0

Physical hazards : 0

NFPA rating:

Health hazard: 3

Fire: 0

Reactivity hazard: 0

Section 3: Composition & Information on Ingredients

Molecular formula: C₁₃H₁₁Br

Molecular weight: 247.13

Component		Concentration
CAS Number:	14704-31-5	97%
EC Number:	No data available	

Section 4 - First Aid Measures

- Eye:** Flush eyes with plenty of water for at least 15 minutes. Get medical aid if symptoms appear.
- Skin:** Wash skin with plenty of water at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops and persists.
- Ingestion:** Wash mouth out with water. Get medical aid immediately.
- Inhalation:** Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical aid.

Section 5 – Fire-Fighting Measures

- Extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
- Special hazards arising from the substance or mixture:** Carbon oxides, Hydrogen bromide gas
- Advice for firefighters:** Wear a self-contained breathing apparatus for fire fighting if necessary

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Use proper personal protective equipment as indicated in Section 8.

Environmental precautions: Prevent further spillage or leakage when safe and capable

Methods and materials for containment and cleaning up:

Vacuum or sweep up material and keep in a suitable closed container for disposal. Do not flush with water.

Section 7 - Handling and Storage

Precautions for safe handling:

Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with skin, eyes and clothes. Avoid inhalation of vapors and spray mist.

Conditions for safe storage, including any incompatibilities:

Store in a dry, well-ventilated place. Keep tightly closed.

Section 8 - Exposure Controls/Personal Protection

Control parameters:

Contains no materials with occupational exposure limits.

Exposure controls:

Ensure well ventilation, good industrial hygiene and safety practice.

Personal protective equipment

Eye/Face protection:

Wear appropriate protective eyeglasses under the standards such as EN166(EU) or type ABEK(EN14387).

Skin/Body protection:

Wear appropriate protective gloves which have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN374 derived from it to prevent skin exposure. Dispose of contaminated gloves in accordance with applicable laws. Wash and dry hands.

Wear appropriate protective clothing to prevent skin exposure.

Respiratory protection:

Use an approved respirator and components under appropriate government standards such as NIOSH(US) or CEN(EU) if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9- Physical and Chemical Properties

<i>Physical state:</i>	Crystalline powder
<i>Color:</i>	Off-white to pink
<i>Odour:</i>	No data available
<i>Melting point/freezing point:</i>	57 - 61 °C
<i>Initial boiling point and boiling range:</i>	No data available
<i>Flash point:</i>	No data available
<i>Evaporation rate:</i>	No data available
<i>Flammability(solid, gas):</i>	No data available
<i>Upper/lower flammability or explosive limits:</i>	No data available
<i>Vapour pressure:</i>	No data available
<i>Vapour density:</i>	No data available
<i>Relative density:</i>	No data available
<i>Solubility:</i>	No data available
<i>Partition coefficient: n-octanol/water:</i>	log Pow: 4.487
<i>Auto-ignition temperature:</i>	No data available
<i>Decomposition temperature:</i>	No data available
<i>Viscosity:</i>	No data available

Section 10-Stability and Reactivity

<i>Reactivity:</i>	No data available
<i>Chemical stability:</i>	Stable under recommended temperatures and pressures.
<i>Possibility of hazardous reactions:</i>	No data available
<i>Conditions to avoid:</i>	No data available
<i>Incompatible materials:</i>	Strong oxidizing agents, Strong bases
<i>Hazard Decomposition products:</i>	Carbon oxides, Hydrogen bromide gas

Section 11 - Toxicological Information

Acute toxicity:	No data available
Component: 3-Bromo methyl biphenyl	
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:	
Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.	
Reproductive toxicity:	No data available
Specific target organ toxicity (STOT)-single exposure:	No data available
Specific target organ toxicity (STOT)-repeated exposure:	No data available
Aspiration hazard:	No data available
Additional information:	RTECS#: not available

Section 12 – Ecological Information

Toxicity:	
Component: 3-Bromo methyl biphenyl	
Toxicity to fish:	LC50 - Pimephales promelas (fathead minnow) - 0.461 mg/l - 96.0 h
Remarks:	The preceding data, or interpretation of data, was determined using Quantitative Structure Activity Relationship (QSAR) modeling.
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Results of PBT and vPvB assessment:	No data available
Other adverse effects:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.

Section 13 - Disposal Consideration

Waste treatment methods

Product:	Dispose of in accordance with federal, state and local environmental regulations
Contaminated packaging:	Dispose of as unused product

Section 14 - Transport Information

IATA

UN number:	3261
Hazard class:	8

Packing group: II
Proper shipping name: Corrosive solid, acidic, organic, n.o.s. (3-Phenylbenzyl bromide)

IMDG

UN number: 3261
Hazard class: 8
Packing group: II
Proper shipping name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (3-Phenylbenzyl bromide)
Marine pollutant: No

RID/ADR

UN number: 3261
Hazard class: 8
Packing group: II
Proper shipping name: Corrosive solid, acidic, organic, n.o.s. (3-Phenylbenzyl bromide)
Marine pollutant: No
Poison Inhalation Hazard: No

DOT(US)

UN number: 3261
Hazard class: 8
Packing group: II
Proper shipping name: Corrosive solid, acidic, organic, n.o.s. (3-Phenylbenzyl bromide)
Marine pollutant: No
Poison Inhalation Hazard: No

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

*Chemical safety assessment:*No data available

Section 16 – Other Information

SDS creation date: Jul 28, 2009
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