

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name:	Tris(4-bromophenyl)amine
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-24415
CAS Number:	4316-58-9
MDL Number:	MFCD00009665
EC Number:	Not available
Purity:	97%

Section 3 - Physical and Chemical Properties

Physical state:	Solid
Color:	White
Odor:	Not determined
Molecular Formula:	C ₁₈ H ₁₂ Br ₃ N
Molecular Weight:	482.01
Freezing/Melting Point:	141 - 143 °C (286 - 289 °F)
Boiling Point:	Not determined
Flash Point:	Not determined
Autoignition Temperature:	Not determined
Refractive Index (nD20):	Not determined
Density:	Not determined
Decomposition Temperature:	Not determined
Solubility:	Not determined

Section 4 - Hazards Identification

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

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Section 5 - First Aid Measures

Eye: Flush eyes with plenty of water for several minutes. Get medical aid.

Skin: Flush skin with plenty of water and soap for several and rinse thoroughly.
Get medical aid if irritation develops and persists.

Ingestion: Get medical aid immediately. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately. If required, give artificial respiration. Get medical aid if symptoms persist.

Section 6 - Stability and Reactivity

Chemical Stability: Stable under recommended temperatures and pressures.

Materials to avoid: Strong oxidizing agents.

Conditions to Avoid: No data available.

Hazardous Decomposition Products: Carbon oxides, nitrogen oxides (NO_x), hydrogen bromide gas.

Hazardous Polymerization: Has not been reported.

Section 7 - Handling and Storage

Handling: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage: Store in cool, dry conditions in well sealed container. Keep container tightly sealed.

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 Fighting Measures

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: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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# 4316-58-9: Not available.

LD50/LC50: RTECS: Not available.

Carcinogenicity: Tris(4-bromophenyl)amine - Not listed as a carcinogen by ACGIH, IARC, NTP, OSHA or EPA..

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: Not dangerous goods.

IMO: Not dangerous goods.

RID/ADR: Not dangerous goods.

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Xi

Indication of Danger: Irritant

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Risk Phrases:

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

Safety Phrases:

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

S 37: Wear suitable gloves.

S 39: Wear eye/face protection.

WGK: 3

US Federal

TSCA

CAS# 4316-58-9 is not listed on the TSCA Inventory. It is for research and development use only.

Section 16 - Additional Information

MSDS Creation Date: ***August 15 , 2008***

MSDS Update: ***March 7,2010***

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