

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: Hexamethyl phosphorous triamide

Synonyms:

Company Identification: PI Chemicals Ltd.

5rd Floor, 88 Cailun Road Zhangjiang Hi-Tech Park

Pudong New Area, Shanghai China, 201203

 Telephone Number:
 86-21-58953700

 Fax Number:
 86-21-58953701

Section 2 - Product Information

Catalog Number: PI-35139 CAS Number: 1608-26-0

MDL Number: MFCD00008301 *EC Number:* Not available

Purity: 98%

Section 3 - Physical and Chemical Properties

Physical state: Liquid

Coloriess transparent

Odor:Not availableMolecular Formula: $C_6H_{18}N_3P$ Molecular Weight:163.2

Freezing/Melting Point: Not available

Boiling Point: 48-50 °C/12 mmHg(lit.)
Flash Point: 27 °C - closed cup
Autoignition Temperature: Not available

Density: 0.898 g/mL at 25 °C(lit.)

Not available

Decomposition Temperature: Not available Solubility: Not available

Section 4 - Hazards Identification

Refractive Index (nD20):

Eve: Causes eve initation.



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 at least 15 minutes, occasionally lifting the upper and

lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water and soap for at least 15 minutes while

removing contaminated clothing and shoes. 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 not breathing, give artificial

respiration. If breathing is difficult, give oxygen. Get medical aid.

Section 6 - Stability and Reactivity

Chemical Stability: Stable under recommended temperatures and pressures.

Materials to avoid: Strong oxidizing agents, Strong acids.

Conditions to Avoid: Incompatible materials.

Hazardous Decomposition Products: Carbon oxides, nitrogen oxides (NOx),Oxides of phosphorus.

Hazardous Polymerization: Has not been reported.

Section 7 - Handling and Storage

Handling: Avoid exposure - obtain special instructions before use. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of

electrostatic charge.

Store in a cool, dry place. Store in a tightly closed container. Containers which are opened

must be carefully resealed and kept upright to prevent leakage.

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# 1608-26-0: Not available.

LD50/LC50: RTECS: Not available.

Carcinogenicity: Hexamethyl phosphorous triamide - Not listed as a carcinogen by ACGIH, IARC, NTP,

or CA Prop 65.

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: 1993 Class: 3 Packing group: III.
 IMO: UN-Number: 1993 Class: 3 Packing group: III.
 RID/ADR: UN-Number: 1993 Class: 3 Packing group: III.

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T

Indication of Danger: Toxic

Risk Phrases:

R45: May cause cancer.

R46: May cause heritable genetic damage.

R10: Flammable.

Safety Phrases:

S53: Avoid exposure - obtain special instructions before use.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the



label where possible).

WGK (Water Danger/Protection) CAS# 1608-26-0: 3

Canada

CAS# 1608-26-0: Not available

US Federal

TSCA

CAS# 1608-26-0 is not listed on the TSCA Inventory. It is for research and development use only.

Section 16 - Additional Information

MSDS Creation Date: July 13, 2009 Update: August 08, 2009

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.