

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name:	Pyrimidine	
Synonyms:	1,3-Diazine	
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-11036
CAS Number:	289-95-2
MDL Number:	MFCD00006059
EC Number:	206-026-0
Purity:	98.0%

Section 3 - Physical and Chemical Properties

Physical state:	Liquid
Color:	Colourless
Molecular Formula:	$C_4H_4N_2$
Molecular Weight:	80.09
Freezing/Melting Point:	19-22 °C(lit.)
Boiling Point:	123-124 °C(lit.)
Flash Point:	34 °C /93.2 °F
Autoignition Temperature:	Undetermined
Refractive Index (nD20):	Undetermined
Density:	1.016 g/mL at 25 °C(lit.)
Decomposition Temperature:	Undetermined
Solubility:	Undetermined

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:	May be harmful if inhaled. Cause 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 normal temperatures and pressures.	
Materials to avoid:	Acids, Acid chlorides, Acid anhydrides, Strong oxidizing agents,	
	Carbon dioxide.	
Conditions to Avoid:	Heat, flames and sparks.	
Hazardous Decomposition Products:	Carbon oxides, nitrogen oxides	
Hazardous Polymerization:	Has not been reported.	

Section 7 - Handling and Storage

- *Handling:* Avoid breathing dust, vapor, mist, or gas. Keep container tightly closed. Avoid contact with skin and eyes. Wash thoroughly after handling. Mechanical exhaust required. Keep away from sources of ignition No smoking.
- *Storage:* Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Personal Protection

Eyes:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's
	eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin:	Wear appropriate protective gloves to prevent skin exposure.
Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Respirators:	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN
	149. Use a NIOSH/MSHA or European Standard EN 149 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 to cool unopened containers.	



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# 289-95-2: UV6263000LD50/LC50:LD50 Intraperitoneal - mouse - 3,310 mg/kgCarcinogenicity:Pyrimidine - 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	IMO	RID/ADR
Shipping Name:	TOXIC LIQUID, ORGANIC, N.O.S.	TOXIC LIQUID, ORGANIC, N.O.S.	TOXIC LIQUID, ORGANIC, N.O.S.
	(Pyrimidine)	(Pyrimidine)	(Pyrimidine)
Hazard Class:	3	3	3
UN Number:	1993	1993	1993
Packing Group:	III	Ш	III

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Signal word: Warning Hazard statement(s) H226: Flammable liquid and vapour. Risk Phrases: R10: Flammable Safety Phrases: S23:Do not breathe gas/fumes/vapor/spray (appropriate wording to be specified by the manufacturer)



S24/25: Avoid contact with skin and eyes WGK (Water Danger/Protection) CAS# 289-95-2: 3 Canada CAS#289-95-2: Not available

US Federal

TSCA

CAS# 289-95-2 is listed on the TSCA Inventory. It is for research and development use only.

Section 16 - Additional Information

MSDS Creation Date:	May 15, 2006
Update:	Dec 18, 2011

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