

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: Synonyms:	2,4-dichloroquinazoline
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-90078
CAS Number:	607-68-1
EC Number:	000-000-0
MDL Number:	MFCD00091950
Purity:	98%

Section 3 - Physical and Chemical Properties

Physical state:	Powder
Color:	White
Molecular Formula:	$C_8H_4C_{12}N_2$
Molecular Weight:	199.04
Freezing/Melting Point:	153-157 °C
Boiling Point:	Not available
Flash Point:	Not available
Autoignition Temperature:	Not available
Refractive Index (nD20):	Not available
Density:	Not available
Solubility:	Not available

Section 4 - Hazards Identification

Eye:	Causes eye burns.
Skin:	May be harmful if absorbed through skin. Causes skin burns.
Ingestion:	May be harmful if swallowed. Causes burns.
Inhalation:	May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous

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membranes and upper respiratory tract.

Section 5 - First Aid Measures

General advice:	Consult a physician. Show this safety data sheet to the doctor in attendance.
	Move out of dangerous area.
If inhaled:	If breathed in, move person into fresh air. If not breathing give artificial
	respiration Consult a physician.
In case of skin contact:	Take off contaminated clothing and shoes immediately. Wash off with soap and
	plenty of water. Consult a physician.
In case of eye contact:	Continue rinsing eyes during transport to hospital. Rinse thoroughly with plenty
	of water for at least 15 minutes and consult a physician.
If swallowed:	Do NOT induce vomiting. Never give anything by mouth to an unconscious
	person. Rinse mouth with water. Consult a physician.

Section 6 - Stability and Reactivity

Chemical Stability:	Stable under recommended storage conditions.
Materials to avoid:	Strong bases, Strong oxidizing agents, Strong reducing agents.
Conditions to avoid:	Not available.
Hazardous Decomposition Products.	Carbon oxides, nitrogen oxides, hydrogen chloride.

Section 7 - Handling and Storage

Handling:Avoid inhalation of vapor or mist. Normal measures for preventive fire protection.Storage:Keep container tightly closed in a dry and well-ventilated place. Light
sensitive .Containers which are opened must be carefully resealed and kept upright to
prevent leakage.
Moisture sensitive.

Section 8 - Personal Protection

Eyes:	Tightly fitting safety goggles. Faceshield (8-inch minimum).
Skin:	Wear appropriate protective gloves to prevent skin exposure. Choose body protection
	according to the amount and concentration of the dangerous substance at the work
	place.
Respirators:	Where risk assessment shows air-purifying respirators are appropriate use a full-face
	respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator
	cartridges as a backup to engineering controls. If the respirator is the sole means of
	protection, use a full-face supplied air respirator. Use respirators and components
	tested and approved under appropriate government standards such as NIOSH (US) or
	CEN (EU).
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice. Wash hands



before breaks and at the end of workday.

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# 607-68-1: None listed.
LD50/LC50:	RTECS#: None listed.
Carcinogenicity:	2,4-dichloroquinazoline - 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:	Not dangerous goods.
IMO:	Not dangerous goods.
RID/ADR:	Not dangerous goods.

Section 15 - Regulatory Information

Hazard Symbols: Xn Risk Phrases:

> R 25: Toxic if swallowed. R 38: Irritating to the skin.

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	R 41: Risk of serious damage to eyes		
	R 37/38: Irritating to respiratory system	em and skin.	
	R 22: Harmful if swallowed.		
Safety Phrase	es:		
	R 36/37/38: Irritating to eyes, respiratory system and skin.		
	R 45: May cause cancer.		
	R 26: Very Toxic by inhalation.		
DSL Status:	This product contains the follo	wing components listed on the Canadian NDSL list. All	
	other components are on the Canadian DSL list.		
	2,4-dichloroquinazoline CAS-No. 607-68-1		

Section 16 - Additional Information

MSDS Creation Date: August 8, 2010 Update: Original

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.

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