

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name:	N,N'-Octamethylenebis(Dichloroacetamide)
Synonyms:	N,N' -Bis(dichloroacetyl)-1,8-octamethylenediamine, N,N' -Octamethylenebis(2,2-dichloroacetamide)
Company Identification:	PI Chemicals Ltd. Building B, 633 E Shan Road, Pudong New Area Shanghai 200127, China
Telephone Number:	86-21-58953700
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Section 2 - Product Information

Catalog Number:	PI-26144
CAS Number:	1477-57-2
EC Number:	216-033-0
MDL Number:	MFCD00000841
Purity:	97%

Section 3 - Physical and Chemical Properties

Physical state:	Powder
Color:	White
Molecular Formula:	C ₁₂ H ₂₀ Cl ₄ N ₂ O ₂
Molecular Weight:	366.11
Freezing/Melting Point:	125 - 127 °C (257 - 261 °F)
Boiling Point:	Undetermined
Flash Point:	Undetermined
Ignition temperature:	Undetermined
Refractive Index (n_D20):	Undetermined
Density:	Undetermined
Decomposition Temperature:	Undetermined
Solubility:	Undetermined

Section 4 - Hazards Identification

Inhalation:	May be harmful if inhaled. May cause respiratory tract irritation.
Skin:	May cause skin irritation. May be fatal if absorbed through skin.
Eyes:	May cause eye irritation.

Ingestion: May be harmful if swallowed.

Section 5 - First Aid Measures

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact: Wash off with soap and plenty of water.
In case of eye contact: Flush eyes with water as a precaution.
If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Section 6 - Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions.
Materials to Avoid: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon oxides, nitrogen oxides (NO_x), Hydrogen chloride gas.

Section 7 - Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Storage: Keep container tightly closed in a dry and well-ventilated place.

Section 8 - Personal Protection

Eyes: Safety glasses.
Hand: For prolonged or repeated contact use protective gloves.
Respirators: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hygiene measures: General industrial hygiene practice.

Section 9 - Fire and Explosion Hazard Data

Special protective equipment for fire-fighters: Wear self contained breathing apparatus for fire fighting if necessary.
Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Section 10 - Accidental Release Measures

Personal precautions: Avoid dust formation.
Environmental precautions: Do not let product enter drains.

Methods for cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 11 - Toxicological Information

RTECS#: CAS#1477-57-2: AC6800000.

LD50/LC50: RTECS # AC6800000.

Carcinogenicity: N,N'-Octamethylenebis(Dichloroacetamide) -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

Indication of Danger: Harmful

Risk Phrases:

R 20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R 40: Limited evidence of a carcinogenic effect.

Safety Phrases:

S 36: Wear suitable protective clothing.

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

OSHA Hazards: Target Organ Effect.

Section 16 - Additional Information

MSDS Creation Date: 28 August, 2009

Update: April 15, 2011

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