

Material Safety Data Sheet

4-Chloroimidazole



Section 1 -chemical product and company Identification

MSDS Name 4-Chloroimidazole
Company Identification Shanghai Liluo Industrial Co.,Ltd.
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Section 2 -Composition,information on ingredients

CAS#	Chemical Name	Purity
15965-31-8	4-Chloroimidazole	98%

Hazard Symbols Xn

Risk Phrases 22

Section 3 - Hazards Identification

Eye Causes eye irritation.
Skin Causes skin irritation. May be harmful if absorbed through the skin.
Ingestion May cause irritation of the digestive tract. May be harmful if swallowed.
Inhalation Causes respiratory tract irritation. May be harmful if inhaled.

Section 4- First Aid Measures

Eyes 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 for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion Get medical aid. 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.

Notes to Physician Treat symptomatically and supportively.

Section 5- Fire Fighting Measures

General Information As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6- 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 7- Handling and storage

Handling Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage Store in a cool, dry place. Keep container tightly closed in a dry and well-ventilated place.

Section 8- Exposure controls, personal protection

Engineering Controls

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes Wear chemical splash goggles.

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-Physical and chemical properties

Physical State	White to off-white solid
Color	White
Boiling Point	Not available
Freezing/Melting Point	Not available
Flash Point	Not available
Solubility in water	No data available
Molecular Formula	C3H3CIN2
Molecular Weight	102.52

Section 10-Stability and Reactivity

Chemical Stability	Not available.
Conditions to Avoid	Incompatible materials,moisture, exposure to air.
Incompatibilities with Other Materials	Strong oxidizing agents,strong bases.
Hazardous Decomposition Products	Hydrogen cyanide, carbon monoxide, oxides of nitrogen, carbon dioxide, nitric acid.
Hazardous Polymerization	Has not been reported.

Section 11-Toxicological information

RTECS#	CAS# 15965-31-8
LD50/LC50	RTECS: Not available.
Carcinogenicity	Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other	The toxicological properties have not been fully investigated.

Section 12-Ecological information

Not available

Section 13-Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14-Transport information

ADR/RID

Not regulated.

IMDG

Not regulated.

IATA

Not regulated.

Section 15-Regulatory information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Xn

Risk Phrases:

R22 Harmful if swallowed.

WGK (Water Danger/Protection)

CAS# 15965-31-8

Canada

CAS# 15965-31-8 is listed on Canada's NDSL List.

US Federal

TSCA

CAS# 15965-31-8 is listed on the TSCA Inventory.

Section 16- Other information

The information above is believed to be accurate and represents the best information currently available to us. 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 event shall the company 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 howsoever arising, even if the company has been advised of the possibility of such damages.