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SIGMA-ALDRICH

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 Version 3.0 Revision Date 01.01.2009 Print Date 28.06.2010 GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

Product name	:	Mechlorethamin	ne hydrochloride	
Product Number	:	122564		
Brand	:	Aldrich		
Company	:		anghai) Trading Co.,Ltd	
		22A-B Century Ba- 398 Huai Hai Zhon		
		200020 SHANGHA		
		CHINA	-	
Telephone	:	+862161415566		
ax	:	+862161415567		
Emergency Phone	# :	+8615921213336		
E-mail address	-	china@sial.com		
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4. FIRST AID MEASURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

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

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.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods for cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Avoid exposure - obtain special instructions before use. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage

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

hygroscopic

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator cartridges as a backup to engineering controls. If the respirator type N99 (US) or type P2 (EN 143) 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).

Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

Eye protection

Safety glasses

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work

place.

Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

solid

Safety data

рН	no data available
Melting point	108 - 111 °C
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Water solubility	no data available

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Conditions to avoid Avoid moisture.

Materials to avoid Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 Oral - rat - 10 mg/kg

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

This product is or contains a component that has been reported to be probably carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification.

IARC: Group 2A - Probably carcinogenic to humans (Chlormethine hydrochloride)

May alter genetic material.

Laboratory experiments have shown teratogenic effects.

	s of Exposure
Cough, Shortness of b	preath, Headache, Nausea, Vomiting
Potential Health Effe	cts
Inhalation Skin Eyes Ingestion Target Organs	May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. May be harmful if absorbed through skin. Causes skin burns. Causes eye burns. May be fatal if swallowed. Causes burns. Bone marrow, Immune system., Blood, Central nervous system, ears, Reproductive system.,
Additional Information	on
2. ECOLOGICAL INFOR	MATION
Elimination informat	ion (persistence and degradability)
no data available	
Ecotoxicity effects	
no data available	
Further information	on ecology
no data available 3. DISPOSAL CONSIDE Product	RATIONS
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T+	Very toxic
R-phrase(s)	
R45	May cause cancer.
R46	May cause heritable genetic damage.
R28	Also very toxic if swallowed.
R34	Causes burns.
R42/43	May cause sensitization by inhalation and skin contact.
S-phrase(s)	
່ 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).
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.

16. OTHER INFORMATION

Further information

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