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SAFETY DATA SHEETS

According to Globally Harmonized System of Classification and Labelling of Chemicals (GHS) - Sixth revised edition

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SECTION 1. Identification of the substance

Product identifiers

Product name: Methyl Carbamate

CAS-No.: 598-55-0

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances

Details of the supplier of the safety data sheet

Company: CHEMLYTE SOLUTIONS CO., LTD

Address: A1-3-830, XiXi Center, No. 588, Wenyi West Road, Hangzhou 310000, Zhejiang, China

Telephone: +86-(571)-85061365

Fax : +86-(571)-85060165

Emergency telephone number

Emergency Phone # : +1-703-527-3887

SECTION 2.Composition/information on ingredients

Components	Concentration	CAS No.
Methyl Carbamate	≥99%	598-55-0

SECTION 3.Hazard identification

Emergency Overview

Hazards Class: R40

Primary Routes of Entry: Eye contact, Skin contact,Inhalation.

Health hazards: This product has the irritating effect on respiratory tract, eyes, mucous membrane and skin. Direct contact may cause chemical pneumonia pulmonary, edema asthma, breathing disorder, and quick action.

Environment hazards: NO

Combustion Hazards: Non-combustible component

SECTION 4.First-aid measures

Skin contact: Immediately remove contaminated clothing and shoes. Wash off with soap and water. Use lukewarm water if possible. Get medical attention if irritation develops and persists.

Eyes contact: In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required. Get medical attention if irritation develops.
Inhalation: Move to an area free from further exposure. Get medical attention immediately. Administer oxygen or artificial respiration as needed. Asthmatic symptoms may develop and may be immediate or delayed up to several hours. Extreme asthmatic reactions can be life threatening.
Ingestion: Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

SECTION 5.Fire-fighting measures

5.1 Extinguishing media
Suitable extinguishing media
Water Foam Carbon dioxide (CO2) Dry powder
Unsuitable extinguishing media
For this substance/mixture no limitations of extinguishing agents are given.
5.2 Special hazards arising from the substance or mixture
Carbon oxides
Nitrogen oxides (NOx)
Combustible.
Development of hazardous combustion gases or vapours possible in the event of fire.
5.3 Advice for firefighters
Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.
Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6.Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.
6.2 Environmental precautions
Do not let product enter drains.
6.3 Methods and materials for containment and cleaning up
Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions(see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.
6.4 Reference to other sections
For disposal see section 13.

SECTION 7.Handling and storage

Operation note: Provide adequate ventilation. Light light discharge when handling to prevent damage to packaging and container.

Storage Note: Store in a cool, ventilated warehouse. Away from fire and heat source. Library temperature should not be more than 30 °C. Keep the drum sealing. Don't mix storage with other products.

SECTION 8.Exposure controls and personal protection

Exposure Limit: MAC(mg/m^3) in China:Not Established
TLVTN: MAC(mg/m^3) in Former Soviet Union:Not Established
TLVWN: Not Established Monitoring method:
Engineering measures: Dequate ventilation
Respiratory protection:required when dusts are generated.Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.
Eye protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.
Physical protection: Wear protective clothing tape.
Hand protection: Wear oil resistant rubber gloves.
Additional Protective Measures: No smoking, eating and drinking water. After work, shower change clothes. To maintain good health habits.

SECTION 9.Physical and chemical properties

Main components Concentration
Methyl Carbamate: ≥99%
Appearance: White crystal
PH: NO
melting point: 52—56 °C
Water(K.F)≤0.5%
Sulphate ash≤0.1%
Density(25C):1.10-1.15g/ml
Boiling Point: 177 °C
Relative density (water = 1): 1.1361
Relative vapor density (air = 1) : No data Saturated vapor pressure (kPa) : 1.87 (82°C) The heat of combustion (kJ/mol) : Nonsense The critical temperature (°C) : No data
Flash point (°C) : 93 °C
The ignition temperature (°C) : Nonsense
The explosion limit % (V/V) : Nonsense
The lower explosive limit % (V/V) : Nonsense
Solubility: Soluble in water, alcohol, ether, etc
Main application: Used in medicine, pesticide, organic intermediates, etc.

SECTION 10.Stability and reactivity

Stability: Stable under normal conditions of use and storage.
Substances to avoid: Water, alcohol.
Aggregate hazard: No aggregation
Breakdown products: No decomposition

SECTION 11.Toxicological information

Acute Oral Toxicity

LD50: Nonsense

LC50: Nonsense

Subacute and chronic toxicity

Thrill: Mild irritation

Sensitization: Nonsense

Mutagenicity: Nonsense

Teratogenicity: Nonsense

Carcinogenicity: There may be carcinogenic

SECTION 12. Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

No data available

SECTION 13.Disposal considerations

Waste properties: No impact on the environment

Disposal Information: Incineration

Disposal note: Refer to the relevant regulations of the state and local before disposal.

SECTION 14.Transport information

14.1 UN number

ADR/RID: - IMDG: - IATA-DGR: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA-DGR: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA-DGR: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA-DGR: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA-DGR: no

14.6 Special precautions for user

14.7 Incompatible materials

Further information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information

Other regulations

Please pay attention on the waste treatment should also comply with local regulations requirement.

SECTION 16. Other information

Further information