



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No.: C32320

Product Name: **CHLORO ACETIC ACID**
(MONOCHLORO ACETIC ACID)

Manufacturer / supplier identification

Company : NICE CHEMICALS PVT.LTD. , Cochin , India
Tel - 0484 2800212 , 2802755

Contact for Information: Tel . No. – 0484 2802536 Fax : 0484 2802483

Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

2. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms : Monochloro acetic acid
CAS-No : 79-11-8
EC –No. : 201-178-4
Molar mass : 94.50
EC-Index No. : 607-003-00-1
Molecular formula : $C_2H_3ClO_2$

3. HAZARDS IDENTIFICATION

Toxic if swallowed. Causes burns. Very toxic to aquatic organisms.



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4. FIRST AID MEASURES

- After eye contact : Rinse out with plenty water with the eyelid held wide open.
Summon eye specialist.
- After inhalation : fresh air. If necessary, apply mouth to mouth resuscitation or
Mechanical ventilation.
- After skin contact : wash off with plenty of water. Dab with polyethylene glycol 400.
Remove contaminated clothing.
- After swallowing : make the victim drink plenty of water , induce vomiting.
Summon doctor.

5. FIRE – FIGHTING MEASURES

Suitable extinguishing media : water, CO₂, foam, powder.

Special risks : Combustible. Development of hazardous combustion gases
or vapours possible in the event of fire. The following may
develop in event of fire: Hydrochloric acid.

Special protective equipment for fire fighting : Do not stay in dangerous zone without
Suitable chemical protection clothing and self-contained breathing apparatus.

Other information : Prevent fire fighting water from entering surface water or ground water.



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6. ACCIDENTAL RELEASE MEASURES

Person related precautionary measures: Avoid generation of dusts; do not inhale dusts.

Avoid substance contact. Ensure supply of fresh air in enclosed rooms.

Environmental protection measures : Do not allow to enter sewerage system.

Procedures for cleaning/absorption : Take up dry. Forward for disposal.

Clean up affected area. Avoid generation of dusts.

7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : At +15°C to +25°C. Tightly closed in a well ventilated place.

Accessible only for authorized persons.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : required when dusts are generated.

Eye protection : required

Hand protection : required

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.



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Industrial hygiene : Immediately change contaminated clothing. Application of skin protective barrier cream recommended. Wash hands and face after working with substance. Under no circumstances eat or drink at work place. Work under hood. Do not inhale substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : crystals
Colour : colourless
Odour : pungent
PH value at 800 g/l H₂O (20⁰C) : < 1
Melting temperature : 60-63 ⁰C
Boiling temperature : 189 ⁰C
Ignition temperature : 470 ⁰C
Flash point : 126⁰C
Explosion limits Lower : 8.0 Vol%
Upper : Not available.
Vapour pressure (20⁰C) : 1 hPa
(50⁰C) : 2.4 hPa
Relative vapour density : Not available
Density (65⁰C) : 1.37 g/cm³
Bulk density : near 800 kg/m³
Solubility in water(20⁰C) : 4210 g/l
Ethanol (20⁰C) : soluble
ether (20⁰C) : Soluble



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10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available
Substance to be avoided : amines, alkalis
Hazardous decomposition products : No information available.
Further information : hygroscopic

11. TOXICOLOGICAL INFORMATION

Acute toxicity : LD₅₀ (oral,rat): 55 mg/kg

Further toxicological information : After skin contact : burns.

After eye contact : burns, risk of blindness

After inhalation : irritations of the mucous membranes, Coughing and dyspnoea.

After swallowing : irritations of mucous membranes in the mouth , pharynx,
oesophagus and gastrointestinal tract.

No description of any further symptoms is available.

Further data : The product should be handled with the care usual when dealing with
Chemicals

12. ECOLOGICAL INFORMATION:

Ecotoxic effect: Fish toxicity : fish LC₅₀ : 100-500 mg/l/96/h

Daphnia toxicity : Daphnia EC₅₀:77mg/l/48h

Bacterial toxicity : bacteria EC₀:60mg/l

Further Ecotoxic data: Highly toxic for aquatic organisms. Do not allow to enter
Water, waster water or soil.



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13. DISPOSAL METHOD

Product

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC Member countries through that you corresponding laws and regulations. We recommend contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Packaging

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. TRANSPORT INFORMATION

Transport over land ADR/RID and GGVS/GGVE

GGVS/GGVE class : 6.1 Number and letter :27b

ADR/RID class : 6.1 Number and letter :27b

Name of material : 1751 CHLORESSIGSAEURE, FEST

River transport ADN/ADNR : Not examined.

Sea transport IMDG

IMDG class : 6.1 UN No.1751 Packaging group : II

Ems : 6.1-05 MFAG : 540

Correct technical name : CHLOROACETIC ACID, SOLID



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Air transport ICAQ-TI and IATA-DGR

ICAQ/IATA class : 6.1/8 UN/ID No. : 1751 Packaging group : II

Correct technical name : CHLOROACETIC ACID, SOLID

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : T Toxic

N Dangerous for the environment

R-phrases : 24-34 Toxic if swallowed causes Burns.

Very toxic to aquatic organisms.

S-phrases : 23-37-45-61

Do not breath vapou. Wear suitable gloves. In Case of accident or if you feel unwell,
seek medical advice immediately. Avoid release to the environment.

Water pollution class : 2 (polluting substance)

16. OTHER INFORMATION

The information contained here in is based on the present state of our knowledge.

It characterizes the product with regard to the appropriate safety precautions.

It does not represent a guarantee of the properties of the product.
