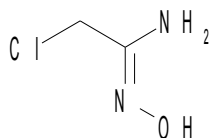


1. Name of product and company

Chemical name: N-Hydroxy-chloroacetamide
CAS-nr: 3272-96-6



Supplier: Ramidus AB
Ideon
SE-22370 Lund
Sweden
Tel: +46 46 286 2850
Fax: +46 46 286 2851

Contact person: Hans Holmberg
Tel (off office): +46 40 461350

2. Hazards identification

Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin.

3. Composition

N-Hydroxy-chloroacetamide
CAS-nr: 3272-96-6 95 %

4. First aid measures

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. In case of contact, immediately wash skin with soap and copious amounts of water for at least 15 minutes. If inhaled remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. If swallowed, wash out mouth with water provided person is conscious. Call a physician. Wash contaminated clothing before reuse.

5. Fire fighting measures

Extinguishing media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.

Unusual hazards: Emits toxic fumes of hydrogen chloride and nitric oxides.

6. Accidental release measures

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for disposal. Ventilate area and wash spill site after material pick up is complete.

7. Handling and storage

All handling of dangerous chemicals should be performed in a hood or well ventilated area.

Store in a tightly closed container at -18 C.

8. Exposure control / personal protection

Work in a well ventilated areas. Use chemical safety goggles and compatible chemical resistant gloves. Use suitable respirator. Avoid contact with eyes, skin and clothing. Avoid prolonged and repeated exposure. Wash thoroughly after handling.

9. Physical and chemical properties

Yellow solid.

10. Stability and reactivity

Incompatible with acids and bases. Incompatible with strong oxidizing or reducing agents.

11. Toxicological information

Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin.

12. Ecotoxicological effects.

Not known.

13. Disposal considerations

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and a scrubber. Observe all federal, state and local environmental regulations.

14. Transport information

IATA:
UN nr: 2811, Toxic solid, organic, n.o.s.
Packing group: III.

IMDG:
UN nr: 2811, Toxic solid, organic, n.o.s.
Packing group: III.

ADR/RID:
Hazard class: 6.1.25c

15. Regulatory information

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

R 36/37/38 Irritating to eyes, respiratory system and skin.

S 20/21 When using, do not eat, drink or smoke.

S 24/25 Avoid contact with skin and eyes.

S 27/28 After contact with skin, take off immediately all contaminated clothing and wash immediately with plenty of water.

S 29/35 Do not empty into drains, dispose of this material and its container to hazardous or special waste-collection point.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

16. Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.