2-Chloroacetamide, 98%

**** SECTION 1 - CHEMICAL PRODUCT ****

MSDS Name: 2-Chloroacetamide, 98%
Catalog Numbers:
   14841-0000, 14841-0010, 14841-0050, 14841-1000, 14841-5000
Synonyms:

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

+----------------+--------------------------------------+----------+-----------+-----------+---
|      CAS#       |              Chemical Name           |    %     |  EINECS#  |
|Haz Symbols| Risk Phrases  |
|----------------|--------------------------------------|----------|-----------|-----------|---
|-------+----------------+--------------------------------------|----------|-----------|-----------|---
|       | 79-07-2  |2-Chloroacetamide                     |   98%    | 201-174-2 |
|       | ||||
+----------------+--------------------------------------|----------|-----------|-----------|---

Hazard Symbols: T
Risk Phrases: 25 43

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW
Toxic if swallowed. May cause sensitization by skin contact. Possible risk of impaired fertility.
Potential Health Effects

Eye:
May cause eye irritation.

Skin:
May cause sensitization by skin contact.

Ingestion:
Poison by ingestion.

Inhalation:
May cause respiratory tract irritation.

Chronic:
Not available.

**** 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:
Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:
Get medical aid immediately. 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:

**** 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:
In case of fire, use water, dry chemical, chemical foam, or
alcohol-resistant 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. Store in a tightly closed container.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls:
Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protective Equipment

Eyes:
Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA’s eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

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. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State: Crystalline powder
Color: white
Odor: Not available.
pH: Not available.
Vapor Pressure: Not available.
Viscosity: Not available.
Boiling Point: 224.5 deg C @ 760.00mm Hg
Freezing/Melting Point: 116 - 120 deg C
Autoignition Temperature: Not available.
Flash Point: Not available.
Explosion Limits, lower: Not available.
Explosion Limits, upper: Not available.
Decomposition Temperature: >117 deg C
Solubility in water: 90 G/L WATER (40?C)

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability:
Not available.
Conditions to Avoid:
Incompatible materials.
Incompatibilities with Other Materials:
Strong oxidizing agents, strong acids, strong reducing agents, strong bases.
Hazardous Decomposition Products:
Hydrogen chloride, nitrogen oxides, carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

RTECS#:  
CAS# 79-07-2: AB5075000
LD50/LC50:  
CAS# 79-07-2: Oral, mouse: LD50 = 155 mg/kg; Oral, rabbit: LD50 = 122 mg/kg; Oral, rat: LD50 = 138 mg/kg.
Carcinogenicity:  
2-Chloroacetamide -  
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.  
See actual entry in RTECS for complete information.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

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

**** SECTION 14 - TRANSPORT INFORMATION ****

IATA  
Shipping Name: TOXIC SOLID, ORGANIC, N.O.S.*  
Hazard Class: 6.1  
UN Number: 2811  
Packing Group: III
IMO  
Shipping Name: TOXIC SOLID, ORGANIC, N.O.S.  
Hazard Class: 6.1  
UN Number: 2811  
Packing Group: III
RID/ADR  
Shipping Name: TOXIC SOLID, ORGANIC, N.O.S.  
Hazard Class: 6.1  
UN Number: 2811
Packing group: III

**** SECTION 15 - REGULATORY INFORMATION ****

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: T
Risk Phrases:
R 25 Toxic if swallowed.
R 43 May cause sensitization by skin contact.
R 62 Possible risk of impaired fertility.
Safety Phrases:
S 22 Do not breathe dust.
S 36/37 Wear suitable protective clothing and gloves.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)
CAS# 79-07-2: 2

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada
CAS# 79-07-2 is listed on Canada's DSL List.
CAS# 79-07-2 is listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL
TSCA
CAS# 79-07-2 is listed on the TSCA inventory.

**** SECTION 16 - ADDITIONAL INFORMATION ****

MSDS Creation Date: 7/16/1996 Revision #0 Date: Original.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of
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