

ANSHUL SPECIALTY MOLECULES PVT LTD.				
TITLE : SDS OF 2-CHLORO ACETAMIDE				
ISSUE NO	02		DEPT	EHS
DOC. NO.	QD/EHS/16/ 2CAA		PAGE NO.	1 of 6
REV. NO.	00		EFFECT.DATE	16.04.2022
SUPERSEDES	--		REVIEW DATE	15.04.2025

SECTION 1. PRODUCT IDENTIFICATION

Product Name : 2-CHLOROACETAMIDE

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 : Anshul Specialty Molecules Pvt.Ltd.
Flexcel Park ,C-wing ,2nd Floor,184-87,S.V.Road,
Near 24 Karat Multiplex, Jogeshwari (West)
Mumbai-400 102 ,INDIA

Emergency telephone number

Emergency Phone # : +91 98194 90645
+91 88797 10202

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient : 2-CHLOROACETAMIDE
CAS No. : 79-07-2
EC No : 201-174-2
Molecular Formula : C₂H₄ClNO

SECTION 3. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 : Acute toxicity, Oral (Category 3), H301
: Skin sensitization (Category 1), H317
: Reproductive toxicity (Category 2), H361f

Labelling according Regulation (EC) No 1272/2008 Pictogram



Signal Word : Danger

Hazard statement(s)

H 301 : Toxic if swallowed.
H 317 : May cause an allergic skin reaction
H 361F : Suspected of damaging fertility.

Precautionary statement(s)

P201 : Obtain special instructions before use
P280 : Wear protective gloves.

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P301 +P310+P330

: IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth

P308

: IF exposed or concerned: Get medical advice/ attention

P 333+P313

: If skin irritation or rash occurs: Get medical advice/ attention

SECTION 4. FIRST - AID MEASURES

Eyes

: Immediately flush eyes with water for at least 15 minutes. Get medical attention.

Skin

: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

Inhalation

: Immediately remove to FRESH AIR. If not breathing, give artificial respiration. If breathing difficult, give oxygen. Get medical attention.

Ingestion

(if swallowed)

: ~~Do NOT induce vomiting.~~ Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

SECTION 5.1 Extinguishing media

Suitable extinguishing media

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

Special hazards arising from the substance or mixture

: Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas

Advice for firefighters

: Wear self-contained breathing apparatus for firefighting if necessary.

Flash Point (Closed Cup)

: 170 °C

Lower Explosive Limit

: No data available

Upper Explosive Limit

: No data available

Auto Ignition Temp

: No data available

SECTION 6. ACCIDENTAL RELEASE MEASURE

Personal precautions, protective equipment and emergency procedures

: Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

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Environmental precautions : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

Precautions for safe handling : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Storage : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Storage class (TRGS 510): Non-combustible, acute toxic Cat.3 / toxic hazardous materials or hazardous.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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

Personal Protective Equipment

Eyes : Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

Skin : Handle with gloves. Gloves must be inspected prior to use. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Clothing : Complete suit protecting against chemicals
Respirators : Where risk assessment shows air-purifying respirators are appropriate use (EN 143) respirator cartridges as a backup to engineering controls. If the full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN

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(EU).

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Solid
Appearance	: White crystalline powder
Odour	: No data available
Melting Point /Range	: 116 - 118 °C - lit
Molecular Weight	: 93.51 g/mol
Assay	: 96-104 % (min.)
Solubility in Water	: 52.5 g/l at 20 °C - OECD Test Guideline 105 - completely soluble
Vapour pressure	: 0.05 mmHg at 20 °C
Partition coefficient: n octanol/water	: log Pow: -0.629
Bulk density	: 0.73 - 0.85 g/l
Surface tension	: 69.98 mN/m at 20 °C

SECTION 10: Stability and reactivity

Reactivity	: No data available
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: No data available
Conditions to avoid	: No data available
Incompatible materials	: Strong oxidizing agents, Strong acids, Strong bases, Strong reducing agents
Hazardous decomposition products	: Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas

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SECTION 11: Toxicological information

Information on toxicological

effects Acute toxicity : LD50 Oral - Rat - female - 138 mg/kg(2-Chloroacetamide)
LD50 Oral – rat (OECD Test Guideline 401)

Skin corrosion/irritation : No data available(2-Chloroacetamide)
Skin - rabbit

Serious eye damage/eye irritation : No data available(2-Chloroacetamide)
Eyes - rabbit

SECTION 12: Ecological information

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Do not allow material to be released to the environment without proper governmental permits

Toxicity

Toxicity to fish : LC50 - Carassius auratus (goldfish) - 19.8 mg/l - 96 h(2-Chloroacetami

Toxicity to daphnia and other aquatic invertebrates : EC50 - Daphnia magna (Water flea) - 14 mg/l - 48 h(2-Chloroacetamide

Persistence and degradability : Aerobic - Exposure time 28 d(2-Chloroacetamide) Result:
Biodegradability 94 % - Readily biodegradable (OECD Test Guideline 301B)

Persistence and degradability : No data available

Bioaccumulative potential : No data available

Mobility in soil : No data available

Other adverse effects : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose off in a manner consistent with Federal, State and Local Regulations

SECTION 14. TRANSPORT INFORMATION

DOT regulation

Proper Shipping name : CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.
(2-Chloroethylammonium chloride)

Hazard Class : 6.1 (ADR /RID , IMDG , IATA)

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U.N.Number : UN 2811 (ADR /RID , IMDG , IATA)
Packing Group : III (ADR /RID , IMDG , IATA)
Environmental hazards
Label



Environmental hazards : ADR/RID: no
IMDG Marine pollutant: no
IATA: no

SECTION 15. REGULATORY INFORMATION

Hazard statement(s)

H 301 : Toxic if swallowed.
H 317 : May cause an allergic skin reaction
H 36 IF : Suspected of damaging fertility.

SECTION 16. OTHER INFORMATION

The above information is believed to be accurate and represents the best information currently available to us. However we make no warranty of merchantability or any other warranty, express or implied, with respect to such information and we assume no liability resulting from it's use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall ANSHUL SPECIALTY MOLECULES PVT. LTD.. be liable for any claims, losses or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from use or reliance upon this information.
