

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name : Acetamide
Catalog Number : A1002
Synonym : Amide C2
Brand : Northernchem
Product Use : For laboratory research purposes
Manufacturer : Northernchem Inc.
8485 Montrose Rd., Niagara Falls, Ontario, CANADA L2H 3L7
Phone : +1(905) 353-1500
Fax : +1(289) 975-5138
Supplier : Northernchem Inc.
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2. HAZARDS IDENTIFICATION

WHMIS Classification
D2A Very Toxic Material Causing Other Toxic Effects Carcinogen

GHS Classification
Skin irritation Category 3
Eye irritation Category 2B
Carcinogenicity Category 2

GHS Label Elements, Including Precautionary Statements**Pictogram****Signal Word** Warning**Hazard Statement(s)**

H316 Causes mild skin irritation.
H320 Causes eye irritation.
H351 Suspected of causing cancer.

Precautionary Statement(s)

P281 Use personal protective equipment as required.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification

Health Hazard 0
Chronic Health Hazard *
Flammability 0
Physical Hazards 0

NFPA Rating

Health Hazard	No data available
Fire	No data available
Reactivity Hazard	No data available

Potential Health Effects

Inhalation	: May be harmful if inhaled. May cause respiratory tract irritation.
Skin	: May be harmful if absorbed through skin. May cause skin irritation
Eyes	: May cause eye irritation
Ingestion	: May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula	: C ₂ H ₅ NO
Molecular Weight	: 59.07 g/mol
CAS-No.	: 60-35-5
EC-No.	: 200-473-5
Purity	: >98%

4. FIRST AIDS MEASURES

General Advice	: Consult a physician. Show this SDS to Physician in attendance. Move out of dangerous area.
Inhalation	: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin Contact	: Wash off with soap and plenty of water. Consult a physician.
Eye Contact	: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Ingestion	: Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Condition of Flammability	: Not flammable or combustible.
Suitable Extinguishing Media	: Use alcohol-resistant foam, water spray, dry chemicals or carbon dioxide.
Specific Hazards Arising from the Chemical	: No data available
Special Protective Equipment for Firefighters	: When necessary, wear self-contained breathing apparatus.
Hazardous Combustion Products	: Under fire conditions, hazardous decomposition products may form. - Carbon oxides, nitrogen oxides (NO _x)
Explosion Data – Sensitivity to Mechanical Impact	: No data available
Explosion Data – Sensitivity to Static Discharge	: No data available
Further Information	: No data available

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions** : Wear personal protective equipment. Prevent dust formation. Do not breathe in dust, vapours, mist or gas. Ensure proper ventilation. Evacuate workers to safe areas.
- Environmental Precautions** : If safe, prevent further leakage or spillage. Do not allow products to enter drains. Avoid releasing products into the environment.
- 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.

7. HANDLING AND STORAGE

- Precautions for Safe Handling** : Prevent contact with skin and eyes. Beware of formation of dust and aerosols. Where dust is formed, ventilate well.
- Conditions for Safe Storage** : Store tightly closed container in a dry area. Ensure adequate ventilation. Sensitive to moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Personal Protective Equipment**
- Respiratory** : Where air-purifying respirators are necessary, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup. Use a full-face supplied air respirator if the respirator is the main method of protection. Utilize respirators and components tested and approved under proper government standards such as NIOSH (US) or CEN (EU).
- Hand** : Use gloves when handling. Gloves must be inspected prior to use. Remove gloves properly (without touching glove's outer surface) to avoid skin contact with this product. Dispose contaminated gloves after use according to applicable laws and general laboratory practices. Wash then dry hands.
- Eyes** : Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
- Skin and Body** : Wear impenetrable clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- Hygiene Measures** : Handle corresponding to general industrial hygiene and safety practice. Wash and dry hands before breaks and at the end of work.
- Engineering Controls** : Use laboratory fume hoods or mechanical exhaust to prevent exposure.
- Workplace Control Parameters** : No data available

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form** : Crystalline
- Colour** : Colourless, white

pH	: No data available
Melting Point/Freezing Point	: Melting point/range: 78 - 80 °C (172 - 176 °F) - lit.
Boiling Point	: 221 °C (430 °F) - lit
Flash Point	: No data available
Ignition Temperature	: No data available
Autoignition Temperature	: No data available
Lower Explosion Limit	: No data available
Upper Explosion Limit	: No data available
Vapour Pressure	: 1 hPa (1 mmHg) at 65 °C (149 °F) 7 hPa (5 mmHg) at 92 °C (198 °F)
Density	: 1.159 g/cm ³
Water Solubility	: No data available
Partition Coefficient (n-octanol/water)	: No data available
Relative Vapour Density	: No data available
Odour	: No data available
Odour Threshold	: No data available
Evaporation Rate	: No data available

10. STABILITY AND REACTIVITY

Chemical Stability	: Keep product stable under recommended storage conditions.
Possibility of Hazardous Reactions	: No data available.
Conditions to Avoid	: Keep away from moisture.
Materials to Avoid	: 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) Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	
Oral LD₅₀	: LD50 Oral - rat - 7,000 mg/kg
Inhalation LC₅₀	: No data available
Dermal LD₅₀	: No data available
Other Information	: No data available
Skin Corrosion/Irritation	
No data available	
Serious Eye Damage/Eye Irritation	
No data available	
Respiratory or Skin Sensitisation	
No data available	
Germ Cell Mutagenicity	

No data available

Carcinogenicity

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

Limited evidence of carcinogenicity in animal studies

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Acetamide)

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Reproductive Toxicity

No data available

Teratogenicity

No data available

Specific Target Organ Toxicity (Single Exposure)

No data available

Specific target Organ Toxicity (Repeated Exposure)

No data available

Aspiration Hazard

No data available

Signs and Symptoms of Exposure

The chemical, physical, and toxicological properties have not been thoroughly investigated to our knowledge.

Synergistic Effects

No data available

Additional Information

RTECS: AB4025000

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to Fish : LC50 - Gambusia affinis (Mosquito fish) - 13,300 mg/L - 96 h

Toxicity to Daphnia and other Aquatic Invertebrates : No data available

Toxicity to Algae : No data available

Persistence and Degradability

Biodegradability : No data available

Bioaccumulative Potential

No data available

Mobility in Soil

No data available

PBT and vPvB Assessment

No data available

Other Adverse Effects

No data available

13. DISPOSAL CONSIDERATIONS

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated Packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

UN number: 3077 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substances, solid, n.o.s.
Reportable Quantity (RQ): 100 Lbs
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

WHMIS Classification

D2A Very Toxic Material Causing Other Toxic Effects Carcinogen

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

16. OTHER INFORMATION

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