

MATERIAL SAFETY DATA SHEET

ACETAMIDE, LAB GRADE
CAROLINA BIOLOGICAL SUPPLY COMPANY

Revised: 23/11/09
Replaces: 23/11/09
Printed: 04/06/12

1. PRODUCT DESCRIPTION

Product Name: Acetamide, Lab Grade
Product Code(s): 84-1220
Size: 100g
Chemical Name: Acetic Acid Amide
CAS Number: 60-35-5
Formula: C₂H₅NO
Synonyms: Acetimidic Acid, Ethanamide
Distributor: Carolina Biological Supply Company
2700 York Road
Burlington, NC 27215

Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)
Chemtrec (Transportation Spill Response 24 hours): 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Principle Hazardous Components: Acetamide (CAS#60-35-5)
TLV and PEL units: No information found

3. HAZARD IDENTIFICATION

Emergency Overview: May be harmful by inhalation, ingestion, or if in contact to skin or eyes.

Potential Health Effects:

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: May cause gastrointestinal discomfort.

Inhalation: May cause irritation to respiratory tract.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Eyes - Flush with water for at least 15 minutes, raising and lowering eyelids occasionally. Get medical attention if irritation persists.

Skin - Thoroughly wash exposed area for at least 15 minutes. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation persists.

Ingestion - If swallowed, if conscious, give plenty of water and induce vomiting immediately as directed by medical personnel.

Immediately call a physician or poison control center. Never give anything by mouth to an unconscious person.

Inhalation - Remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm, quiet, and get medical attention.

5. FIREFIGHTING PROCEDURES

Flash Point(Method Used): Non volatile solid

NFPA Rating: Health: 2

Fire: 1

Reactivity: 1

Extinguisher Media:

Use dry chemical, CO₂ or appropriate foam. Flammable Limits in Air % by Volume: No data available

Autoignition Temperature: No data available

Special Firefighting Procedures:

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Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus. Unusual Fire and Explosion Hazards: Moderate fire hazard when exposed to heat or flame. Emits toxic fumes under conditions.

6. SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:
Ventilate area of spill. Clean-up personnel should wear proper protective equipment. Avoid creating dust. Sweep or scoop up and containerize for disposal.

7. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling or Storing: Store in a tightly closed container in a cool place.
Other Precautions: Wash thoroughly after handling.

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type):

A NIOSH/MSHA chemical cartridge respirator should be worn if PEL or TLV is exceeded. Ventilation:

Local Exhaust: Recommended
Mechanical (General): Recommended
Special: No
Other: No

Protective Gloves:

Rubber, neoprene, PVC, or equivalent. Eye Protection:
Splash proof chemical safety goggles should be worn at all times. Other Protective Clothing or Equipment:
Lab apron, eye wash, and safety shower.

9. PHYSICAL DATA

Molecular Weight: 59.07
Melting Point: 79C to 81C
Boiling Point: 221C
Vapor Pressure: 1mm at 65C
Vapor Density (Air=1): 2.04
Specific Gravity (H₂O=1): 1.159 at 20C
Percent Volatile by Volume: Negligible as a solid
Evaporation Rate (H₂O=1): Not applicable
Solubility in Water: 2g/ml at 20C
Appearance and Odor: White crystals with a slight odor.

10. REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Excessive heat and temperature. Prolonged exposure to air and light.
Incompatibility (Materials to Avoid): Strong oxidants, active metals, some acids.
Hazardous Decomposition Products: CO_x, NO_x
Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data: orl-rat LD50: 7000mg/kg
sub-mus LD50: 8300mg/kg
Effects of Overexposure:

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Acute: See section 3

Chronic: Mutation and reproductive data cited. Not listed as causing

cancer by IARC, NTP, or OSHA.

Conditions Aggravated by Overexposure: No data available

Target Organs: Liver

Primary Route(s) of Entry: Skin and ingestion

12. ECOLOGICAL DATA

EPA Waste Numbers: No data available

13. DISPOSAL INFORMATION

Waste Disposal Methods: Dispose in accordance with all applicable Federal,

State and Local regulations.

Always contact a permitted waste disposer (TSD) to assure compliance.

14. TRANSPORT INFORMATION

Not regulated by U.S. DOT

15. REGULATORY INFORMATION

EPA TSCA Status: On TSCA Inventory

Hazard Category for SARA Section 311/312 Reporting: Acute Chronic

SARA EHS Section 302 TPQ(lbs.) No

SARA Section 313 Chemicals

Name List: Chemical Category:

Yes No

CERCLA Section 103 RQ(lbs.): No

RCRA Section 261.33: No

16. ADDITIONAL INFORMATION

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

Glossary

ACGIH.....American Conference of Governmental Industrial Hygienists

CAS Number..Chemical Abstracts Service Number

CERCLA.....Comprehensive Environmental Response, Compensation, and Liability Act

DOT.....U.S. Department of Transportation

IARC.....International Agency of Research on Cancer

mppcf.....million particles per cubic foot

N/A.....Not Available

NTP.....National Toxicology Program

OSHA.....Occupational Safety and Health Administration

PEL.....Permissible Exposure Limit

ppm.....parts per million

RCRA.....Resource Conservation and Recovery Act

SARA.....Superfund Amendments and Reauthorization Act

TLV.....Threshold Limit Value

TSCA.....Toxic Substances Control Act