

MATERIAL SAFETY DATA SHEET

L
CAROLINA BIOLOGICA L

Revised: 09/05/00
Replaces: None
Printed: 24/08/00

1. PRODUCT DESCRIPTION

Product Name: Acetone, Lab Grade
Product Code(s): 84-1481, 48 -1483, BM6010, GEO6232
Size: 120ml, 500ml, 1 gal
Chemical Name: Acetone
CAS Number: 67-64-1
Formula: CH₃COCH₃
Synonyms: Dimethyl Ketone, Ketone Propane, 2-Propanone, Cleaning Fluid
Distributor: Carolina Biological Supply Company
2700 York Road
Burlington, NC 2721

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

Principle Hazardous Components: Acetone (67-64-1) 100%
TLV and PEL units: ACGIH-TLV 750ppm(TWA) STEL 1000ppm
OSHA-PEL 750ppm(TWA) STEL 1000ppm

3. HAZARD IDENTIFICATION

Emergency Overview: Flammable liquid and vapor. Harmful if swallowed or inhaled.

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): 0F (cc)

NFPA Rating: Health: 1

Fire: 3

Reactivity: 0

Extinguisher Media:

Use dry chemical, CO₂ or appropriate foam.

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Flammable Limits in Air % by Volume: 2.6 LEL 12.8 UEL
Autoignition Temperature: 869F
Special Firefighting Procedures: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.
Unusual Fire and Explosio Hazards: Vapor may travel distances to ignition sources.

6. SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:
Ventilate area of spill. Eliminate all sources of ignition. Remove all non-essential personnel from area. Clean-up personnel should wear proper protective equipment and clothing. Absorb material with suitable absorbent 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. Keep away from ignition sources.
Other Precautions: Retained residue may make empty containers hazardous.

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: Preferred
Mechanical(General): Accepted
Special: No
Other: No

Protective Gloves:

Rubber, Butyl or equivalent

Eye Protection:

Splash proof chemical safety goggles should be worn at all times.

Other Protective Clothing or Equipment:

Lab coat, eye wash, and safety shower.

9. PHYSICAL DATA

Molecular Weight: 58.08

Melting Point -95C

Boiling Point: 56C

Vapor Pressure 181 at 20C

Vapor Density(Air=1): 2.0

Specific Gravity(H2O=1): 0.79

Percent Volatile by Volume: 100%

Evaporation Rate(BuAc=1): 14.4

Solubility in Water: Complete

Appearance and Odor: Clear, colorless liquid with a sweet odor.

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Heat with ignition sources.

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Incompatibility(Materials to Avoid): Acids, oxidizers, Potassium t -
Butoxide, Bromine, Chlorine.
Hazardous Decomposition Products: COx
Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data: orl-rat LD50: 5,800mg/kg
ihl-rat LClo: 16,000ppm/4H

Effects of Overexposure:

Acute: See section 3

Chronic: Mutation and reproductive data cited. Not listed as
causing cancer by IARC, NTP, or OSHA.

Conditions Aggravated by Overexposure: Respiratory, skin, and eye
disorders.

Target Organs: Respiratory system, eyes, skin, and CNS.

Primary Route (s) of Entry: Inhalation, Ingestion, eye and skin contact.

12. ECOLOGICAL DATA

EPA Waste Numbers: U002

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

Shipping Name: Acetone, 3, UN1090, II

Consumer commodity/~~OR~~ -D for 500 mL bottle.

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.): 5,000

RCRA Section 261.33: Yes

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 Hygienist

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CAS Number..Chemical Services Abstract Number
CERCLA.....Comprehensive Environmental Response, Compensation, and
Liability Act
DOT.....U.S. Department of Transportation
IARC.....International Agency of Research on Cancer
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