



Specialized in chemicals

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Material Safety Data Sheet

Cyclopropyl carbinol

Section 1: Chemical Product and Company Identification

MSDS Name: Cyclopropyl carbinol

Catalog Numbers: AC111650000, AC111650010, AC111650100, AC111650250, AC111652501,
AC296820000, AC296820050, AC296820250, NC9432796

Synonyms: Cyclopropanemethanol.

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Section 2: Composition and Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
2516-33-8	Cyclopropyl carbinol	99	219-735-5

Section 3: Hazards Identification

EMERGENCY OVERVIEW

Appearance: clear, colorless liquid. Flash Point: 35 deg C.

Danger! Causes eye and skin burns. Causes digestive and respiratory tract burns. **Flammable liquid and vapor.** Harmful if swallowed.

Target Organs:Eyes, skin, mucous membranes.

Potential Health Effects

Eye: Causes eye burns.

Skin: Causes skin burns.

Ingestion: Harmful if swallowed. May cause burns to the digestive tract.

Inhalation: Causes chemical burns to the respiratory tract.

Chronic: No information found.

Section 4: First Aid Measures

Eyes: In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes. Get medical aid immediately.

Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

Ingestion: If swallowed, do NOT induce vomiting. Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

Notes to Physician: Treat symptomatically and supportively.

Section 5: Fire and Explosion Data

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors can travel to a source of ignition and flash back. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Flammable liquid and vapor. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.

Extinguishing Media: For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, use water spray, fog, or alcohol-resistant foam.

Flash Point: 35 deg C (95.00 deg F)

Autoignition Temperature: 310 deg C (590.00 deg F)

Explosion Limits, Lower:Not available.

Upper: Not available.

NFPA Rating: (estimated) Health: 3; Flammability: 3; Instability: 1

Section 6: Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Use a spark-proof tool. Isolate area and deny entry. Provide ventilation.

Section 7: Handling and Storage

Handling:
 Wash thoroughly after handling.
 Remove contaminated clothing and wash before reuse.
 Ground and bond containers when transferring material.
 Use spark-proof tools and explosion proof equipment.
 Do not get in eyes, on skin, or on clothing.
 Empty containers retain product residue, (liquid and/or vapor), and can be dangerous.
 Keep container tightly closed.
 Keep away from heat, sparks and flame.
 Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.
 Use only with adequate ventilation.
 Do not breathe vapor or mist.

Storage:
 Keep away from sources of ignition.
 Store in a tightly closed container.
 Store in a cool, dry, well-ventilated area away from incompatible substances.
 Flammables-area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Cyclopropyl carbinol	none listed	none listed	none listed

OSHA Vacated PELs: Cyclopropyl carbinol: No OSHA Vacated PELs are listed for this chemical.

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. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9: Physical and Chemical Properties

Physical State: Liquid

Appearance: clear, colorless

Odor: fruity odor

pH: Not available.

Vapor Pressure: Not available.

Vapor Density: 2.48

Evaporation Rate:Not available.

Viscosity: Not available.

Boiling Point: 123 - 124 deg C @ 738 mmHg

Freezing/Melting Point:-60 deg C

Decomposition Temperature:Not available.

Solubility: miscible

Specific Gravity/Density:0.890

Molecular Formula:C₄H₈O

Molecular Weight:72.11

Section 10: Stability and Reactivity Data

Chemical Stability:

Stable under normal temperatures and pressures.

Cyclopropyl compounds have great angle strain.

C-C bonds are weaker than in alkanes and molecule has greater potential energy.

Conditions to Avoid: Ignition sources, excess heat.

Incompatibilities with Other Materials: Strong oxidizing agents, acid chlorides, acid anhydrides.

Hazardous Decomposition Products: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization: Has not been reported.

Section 11: Toxicological Information

RTECS#:

CAS# 2516-33-8: GZ2212250

LD50/LC50:

Not available.

Carcinogenicity:
 CAS# 2516-33-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No information found
Teratogenicity: No information found
Reproductive Effects: No information found
Mutagenicity: No information found
Neurotoxicity: No information found
Other Studies:

Section 12: Ecological Information

Ecotoxicity: No data available. No information available.
Environmental: No information available.
Physical: No information available.
Other: Do not empty into drains.

Section 13: Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14: Transport Information

	US DOT	Canada TDG
Shipping Name:	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Cyclopropyl carbinol)	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Cyclopropyl carbinol)
Hazard Class:	3	3
UN Number:	1987	1987
Packing Group:	III	III

Section 15: Other Regulatory Information

US FEDERAL

TSCA

CAS# 2516-33-8 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

Section 313 No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 2516-33-8 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

C

Risk Phrases:

R 10 Flammable.

R 22 Harmful if swallowed.

R 34 Causes burns.

Safety Phrases:

S 16 Keep away from sources of ignition - No smoking.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

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# 2516-33-8: 1

Canada - DSL/NDSL

CAS# 2516-33-8 is listed on Canada's NDSL List.

Canada - WHMIS

This product has a WHMIS classification of E, B2, D1B.

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

Canadian Ingredient Disclosure List

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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