



Section 1 – Company Information

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Collect Calls Accepted

Section 2 – Product Identification/ Information on Ingredients

PRODUCT NAME Butyl Cyanoacetate
CAS NUMBER 5459-58-5
FORMULA $C_7H_{11}NO_2$

PRODUCT	CAS NUMBER	% BY WEIGHT
Butyl Cyanoacetate	5459-58-5	100%

Section 3 – Hazards Identification

Emergency Overview

OSHA Hazards

Combustible Liquid, Irritant

HMIS Classification

Health Hazard: 2

Flammability: 2

Physical hazards: 0

NFPA Rating

Health Hazard: 2

Fire: 2

Reactivity Hazard: 0

Potential Health Effects

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.

Skin May be harmful if absorbed through skin. Causes skin irritation.

Eyes Causes eye irritation.

Ingestion May be harmful if swallowed.

Section 4 – First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.
Move out of dangerous area.

If inhaled: If breathed in, move person into fresh air. If not breathing give artificial respiration
Consult a physician.



In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5 – Fire Fighting Measures

Flammable properties:

Flash point 87 °C (189 °F) - closed cup

Ignition temperature no data available

Suitable extinguishing media:

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

Special protective equipment for fire-fighters:

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measures

Personal precautions: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions: Do not let product enter drains.

Methods for cleaning up: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Section 7 – Handling & Storage

Handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Storage: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8 – Exposure Controls & Personal Protection

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves.

Eye protection: Safety glasses



Skin and body protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9 – Physical & Chemical Properties

Form: liquid

pH: no data available

Melting point: no data available

Boiling point: 115 °C (239 °F) at 20 hPa (15 mmHg)

Flash point: 87 °C (189 °F) - closed cup

Ignition temperature: no data available

Lower explosion limit: no data available

Upper explosion limit: no data available

Density: 0.993 g/mL at 25 °C (77 °F)

Water solubility: no data available

Section 10 – Stability & Reactivity Data

Storage stability: Stable under recommended storage conditions.

Materials to avoid: Strong oxidizing agents, Strong bases

Hazardous decomposition products: Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section 11 – Toxicological Information

Acute toxicity

LD50 Oral (Rat): 4,180 mg/kg

Remarks:

Behavioral: Somnolence (general depressed activity).

Lungs, Thorax, or Respiration: Dyspnea.

Gastrointestinal: Other changes.

Irritation and corrosion: no data available

Sensitisation: no data available

Chronic exposure:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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.

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

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified



as a carcinogen or potential carcinogen by OSHA.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Skin: May be harmful if absorbed through skin. Causes skin irritation.

Eyes: Causes eye irritation.

Ingestion: May be harmful if swallowed.

Additional Information: RTECS: AG3692500

Section 12 – Ecological Information

Elimination information (persistence and degradability): no data available

Ecotoxicity effects: no data available

Further information on ecology: no data available

Section 13 – Disposal Consideration

Product: This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Dispose of as unused product.

Section 14 – Transportation Data

DOT (US)

UN-Number: 3276 **Class:** 6.1 **Packing group:** III

Proper shipping name: Nitriles, toxic, liquid, n.o.s. (Butyl cyanoacetate)

Marine pollutant: No

Poison Inhalation Hazard: No

IMDG

UN-Number: 3276 **Class:** 6.1 **Packing group:** III **EMS-No:** F-A, S-A

Proper shipping name: NITRILES, TOXIC, LIQUID, N.O.S. (Butyl cyanoacetate)

Marine pollutant: No

IATA

UN-Number: 3276 **Class:** 6.1 **Packing group:** III

Proper shipping name: Nitriles, toxic, liquid n.o.s. (Butyl cyanoacetate)



Section 15 – Regulatory Information

OSHA Hazards: Combustible Liquid, Irritant

DSL Status: This product contains the following components listed on the Canadian NDSL list. All other components are on the Canadian DSL list: Butyl cyanoacetate, CAS-No. 5459-58-5

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Fire Hazard, Acute Health Hazard

Massachusetts Right To Know Components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components: Butyl cyanoacetate, CAS-No. 5459-58-5

New Jersey Right To Know Components: Butyl cyanoacetate, CAS-No. 5459-58-5

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

Section 16 – Other Information

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.