



Section 1 - Chemical Product and Company Identification

Product Name Butyl Acetate GC-HS, 99.9%
Product Code 78487
CAS No 123-86-4
Use for Laboratory Chemicals.
Company Name Sisco Research Laboratories Pvt. Ltd.
Address 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,
Andheri (E), Mumbai - 400 099, India

Section 2 - Composition/Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
123-86-4	Butyl Acetate	<=100	204-658-1

Section 3 - Hazards Identification

Special Indication Of Hazards To Humans And The Environment

Flammable. Repeated exposure may cause skin dryness or cracking. Vapors may cause drowsiness and dizziness.

Section 4 - First Aid Measures

Eyes: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Skin: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician:

Section 5 - Fire Fighting Measures



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Extinguishing Media

Suitable: For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

Specific Hazard(s): Flammable liquid. Vapor may travel considerable distance to source of ignition and flash back. Emits toxic fumes under fire conditions.

Explosion Hazards: Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions. Forms explosive mixtures in air.

Special Protective

Equipment For Firefighters: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6 - Accidental Release Measures

Personal Precaution

Procedures To Be Followed

In Case Of Leak Or Spill: Evacuate area. Shut off all sources of ignition. Evacuate area and keep personnel upwind.

Procedure(S) Of Personal

Precaution(S): Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

Environmental Precaution(S): Do not allow material to enter drains or water courses.

Avoid contaminating sewers and waterways with this material.

Methods For Cleaning Up: Cover with dry-lime, sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling: Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage: Conditions of Storage: Keep container closed. Keep away from heat, sparks, and open flame.

Section 8 - Exposure Control / Personal Protection



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Engineering Controls: Safety shower and eye bath. Use nonsparking tools. Use only in a chemical fume hood. Mechanical exhaust. Ground all equipment, vessels, tables, and other metallic objects that may come into contact with the product.

General Hygiene Measures: Wash thoroughly after handling. Remove and wash Contaminated clothing promptly.

Exposure Limits: Country Source Type Value
USA ACGIH TWA STEL 150,200 ppm
USA OSHA. TWA STEL 150,200 ppm
USA NIOSH 10,000 ppm
IDLH-1990
USA NIOSH 1,700 ppm
IDLH-1994
Poland NDSC_h 950 MG/M₃
Poland NDS 200 MG/M₃
Poland NDSP -

Exposure Limits - Denmark

Source Type Value OEL TWA 710 mg/m³ 150 ppm

Exposure Limits - Germany

Source Type Value TRGS 900 OEL 950 mg/m³ 200 ppm
Remarks: =1=

Exposure Limits - Norway

Source Type Value OEL TWA 355 mg/m³ 75 ppm

Exposure Limits - Switzerland

Source Type Value OEL OEL 480mg/m³* 100ppm*

Exposure Limits - United Kingdom

Source Type Value OEL OEL 724 mg/m³ 150 ppm
OEL STEL 966 mg/m³ 200 ppm

Personal Protective Equipment

Respiratory Protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose 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.

Hand Protection: Compatible chemical-resistant gloves.

Eye Protection: Chemical safety goggles.

Section 9 - Physical and Chemical Properties



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Product Code 78487
Physical State: Liquid
Color: Clear & Colorless
Boiling Point: 124 - 126 °C
Specific Density: 0.880-0.882 g/cm³
Molecular Formula: C₆H₁₂O₂
Molecular Weight: 116.16

Section 10 - Stability and Reactivity

Stability: Stable

Materials to Avoid: Strong oxidizing agents, Strong reducing agents, Strong bases.

Hazardous Decomposition

Products : Carbon monoxide, Carbon dioxide.

Hazardous Polymerization: Will not occur

Section 11 - Toxicological Information



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RTECS Number: AF7350000

Acute Toxicity: LD50 OralRat
 LC50 InhalationRat 9.6 mg/l to >29.2 mg/l 4 Hrs
 LD50 SkinRabbit 17,600 mg/kg
 LD50 OralRat 10768 mg/kg

Remarks: Liver:Other changes. Lungs, Thorax, or
Respiration: Other changes. Behavioral:Somnolence (general
 depressed activity).
 LC50 InhalationRat 390 ppm 4H

Remarks: Blood: Hemorrhage. Lungs, Thorax, or Respiration:Acute
 pulmonary edema.

Behavioral: Change in motor activity (specific assay).
 LD50 OralMouse 6000 mg/kg
 LC50 InhalationMouse 6,000 mg/m3 2H
 LD50 IntraperitonealMouse 1230 mg/kg
 LD50 OralRabbit 3200 mg/kg
 LD50 SkinRabbit > 17600 mg/kg
 LD50 OralGuinea pig 4700 mg/kg
 LD50 OralMammal 4300 mg/kg
 LC50 InhalationMammal40,000 mg/m3

Irritation Data: Eyes Rabbit

Remarks: Moderate irritation effect
 Eyes Human 300 ppm
 Skin Rabbit 500 mg 24H

Remarks: Moderate irritation effect
 Eyes Rabbit 100 mg

Remarks: Moderate irritation effect

Signs And Symptoms

Of Exposure: To the best of our knowledge, the chemical, physical, and
 toxicological properties have not been thoroughly investigated.Drowsiness.
 Exposure can cause:

Route Of Exposure

Skin Contact: Causes skin irritation.
Skin Absorption: May be harmful if absorbed through the skin.
Eye Contact: Causes severe eye irritation.
Inhalation: Toxic if inhaled. Material is irritating to mucous
 membranes and upper respiratory tract.
Ingestion: May be harmful if swallowed.

Target Organ Information: Central nervous system.

Chronic Exposure - Carcinogen

Result: This product is or contains a component that is not
 classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA



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classification.

Chronic Exposure - Teratogen

Species: Rat

Dose: 1500 PPM/7H

Route of Application: Inhalation

Exposure Time: (7-16D PREG)

Result: Effects on Embryo or Fetus: Fetotoxicity (except death,
e.g., stunted fetus). Specific Developmental Abnormalities:
Musculoskeletal system.

Section 12 - Ecological Information

Ecotoxicological Effects

Test Type: EC50 Algae

Time: 24 h

Value: 1,200 mg/l

Test Type: EC50 Daphnia

Species: Daphnia magna

Time: 24 h

Value: 72.8 - 205.0 mg/l

Test Type: LC50 Fish

Species: Lepomis macrochirus (Bluegill)

Time: 96 h

Value: 100 mg/l

Test Type: LC50 Fish

Species: Leuciscus idus

Time: 48 h

Value: 64.0 - 121.0 mg/l

Test Type: LC50 Fish

Species: Pimephales promelas (Fathead minnow)

Time: 96 h

Value: 17.0 - 19.0 mg/l

Section 13 - Disposal Considerations

Substance Disposal: 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. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information



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Product Code	78487		
	IATA	IMO	RID/ADR
Shipping Name:	Butyl acetates	Butyl acetates	Butyl acetates
Hazard Class:	3	3	
UN Number:	1123	1123	1123
Packing Group:	III	III	III

Section 15 - Regulatory Information

Classification And Labeling According To Eu Directives

Annex I Index Number: 607-025-00-1

NOTA: 6

R-Phrases: 10-66-67 Flammable. Repeated exposure may cause skin dryness or cracking. Vapors may cause drowsiness and dizziness.

S-Phrases: 25 Avoid contact with eyes.

Section 16 - Other Information

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.