

SILVER FERN CHEMICAL



Safety Data Sheet

N-Butyl Acetate

SECTION 1: IDENTIFICATION

Product Name: N-Butyl Acetate

CAS Number: 123-86-4

Chemical Name: Butyl Acetate

Synonyms: Butyl Acetate; n-Butyl ester of acetic acid, Butyl ethanoate

Uses: Laboratory chemicals, Manufacture of substances

Company

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24 Hour Emergency Contact

Infotrac 800-535-5053
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SECTION 2: HAZARD IDENTIFICATION

Warning



GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Flammable liquids (Category 3), H226
Specific target organ toxicity - single exposure (Category 3), Central nervous system, H336
Acute aquatic toxicity (Category 3), H402

Hazard statement(s):

H226 Flammable liquid and vapor.
H336 May cause drowsiness or dizziness.
H402 Harmful to aquatic life.

Precautionary statement(s):

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P233 Keep container tightly closed.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/ eye protection/ face protection.
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
 P403 + P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
 P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CAS #	Content (W/W)	Ingredients
123-86-4	<=100%	n-butyl acetate

Formula : C₆H₁₂O₂

SECTION 4: FIRST AID MEASURES

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: Flush eyes with water as a precaution

If swallowed : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: 23 °C (73 °F) - closed cup

Lower/Upper explosion limit: Upper explosion limit: 7.6 %(V)/ Lower explosion limit: 1.7 %(V)

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Special hazards arising from the substance or mixture: Carbon oxides

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary

Further information: Use water spray to cool unopened containers

SECTION 6: ACCIDENTAL RELEASE MEASURES

Containment: and Clean- up: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided

SECTION 7: HANDLING AND STORAGE

Handling: 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 AND PERSONAL PROTECTION

Personal Protective Equipment (PPE)

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. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Body protection: impervious clothing, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

General safety and hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Form: liquid/ Color: colorless
Odor	Like fruit
Odor Threshold	no data available
pH	6.2 at 5 g/l at 20 °C (68 °F)
Melting point/freezing Point	Melting point/range: -78 °C (-108 °F) - lit.

Initial boiling point and boiling range	124 - 126 °C (255 - 259 °F) - lit.
Flash point	23 °C (73 °F) - closed cup
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability or explosive limits	Upper explosion limit: 7.6 %(V)/ Lower explosion limit: 1.7 %(V)
Vapor pressure	20 hPa (15 mmHg) at 25 °C (77 °F)
Vapor density	4.01 - (Air = 1.0)
Relative density	0.88 g/cm ³ at 25 °C (77 °F)
Water solubility	5.3 g/l at 20 °C (68 °F) - OECD Test Guideline 105
Partition Coefficient: n-octanol/water	log Pow: 1.82
Auto-ignition temperature	no data available
Decomposition temperature:	no data available
Viscosity:	no data available
Explosive properties:	no data available
Surface tension	14.5 mN/m at 25 °C (77 °F)
Relative vapor density	4.01 - (Air = 1.0)

SECTION 10: STABILITY AND REACTIVITY

Conditions to avoid: Heat, flames and sparks

Substances to avoid: Strong oxidizing agents, Strong reducing agents, Strong bases

Hazardous reactions: Vapors may form explosive mixture with air.

Decomposition products: no data available

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity :

LD50 Oral - Rat - 10,700 - 14,130 mg/kg

LC50 Inhalation - Rat - 4 h - > 21.0 mg/l

LD50 Dermal - Rabbit - 17,600 mg/kg

Skin corrosion/irritation :

Skin - Rabbit

Result: No skin irritation - 4 h/ (OECD Test Guideline 404)

Serious eye damage/eye irritation:

Eyes - Rabbit

Result: No eye irritation/ (OECD Test Guideline 405)

Respiratory or skin sensitization : no data available

Germ cell mutagenicity: no data available

Carcinogenicity :

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

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: May cause drowsiness or dizziness

Specific target organ toxicity - repeated exposure: no data available

Additional Information:

RTECS: AF7350000

Drowsiness, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated ,Stomach - Irregularities - Based on Human Evidence

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity :

Toxicity to fish	LC50 - Lepomis macrochirus (Bluegill) - 100 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 72.8 - 205.0 mg/l - 24 h EC50 - Daphnia (water flea) - 44 mg/l - 48 h
Toxicity to algae	EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus) - 674.7 mg/l -72h

Biodegradability:

Readily biodegradable

Bioaccumulative Potential: no data available

Other: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal of substance:

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material

Container disposal:

Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

DOT (US)

UN number: 1123	Class: 3	Packing group: III
Proper shipping name: Butyl acetates		
Reportable Quantity (RQ): 5000 lbs		
Poison Inhalation Hazard: No		

IMDG

UN number: 1123

Class: 3

Packing group: III

EMS-No: F-E, S-D

Proper shipping name: BUTYL ACETATES

IATA

UN number: 1123

Class: 3

Packing group: III

Proper shipping name: Butyl acetates

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15: REGULATORY INFORMATION

SARA 302 Components

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

SARA 313 Components

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

Massachusetts Right To Know Components

n-Butyl acetate CAS-No 123-86-4 Revision Date 1993-04-24

Pennsylvania Right To Know Components

n-Butyl acetate CAS-No 123-86-4 Revision Date 1993-04-24

New Jersey Right To Know Components

n-Butyl acetate CAS-No 123-86-4 Revision Date 1993-04-24

California Prop. 65 Components

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

SECTION 16: OTHER INFORMATION

HMIS Rating

Health hazard: 0
Chronic Health Hazard: *
Flammability: 3
Physical Hazard 0

NFPA Rating

Health hazard: 1
Fire Hazard: 3
Reactivity Hazard: 0

Revision Date 3/3/2015

DISCLAIMER OF RESPONSIBILITY

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