

Safety Data Sheet

n-BUTYL ACETATE

Revision date : 2025/10/13
Version: 7.0

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(30034818/SDS_GEN_CA/EN)

1. Identification

Product identifier used on the label

n-BUTYL ACETATE

Recommended use of the chemical and restriction on use

Recommended use*: solvent(s)

Recommended use*: industrial chemicals; solvent(s)

Unsuitable for use: Not intended for sale to or use by the general public.

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

BASF Canada Inc.
5025 Creekbank Road
Building A, Floor 2
Mississauga, ON, L4W 0B6, CANADA

Telephone: +1 289 360-1300

Emergency telephone number

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: (800) 454-COPE (2673)

Other means of identification

Chemical family: acetate

Synonyms: Not available. Use: solvent(s); Chemical

2. Hazards Identification

According to Hazardous Products Regulations (HPR) (SOR/2022-272)

Classification of the product

Flam. Liq.
STOT SE

3
3 (May cause
drowsiness and

Flammable liquids
Specific target organ toxicity — single exposure

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Aquatic Acute dizziness.)
3 Hazardous to the aquatic environment - acute

Label elements

Pictogram:



Signal Word:
Warning

Hazard Statement:

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

Precautionary Statements (Prevention):

P271 Use only outdoors or in a well-ventilated area.
P210 Keep away from heat, hot surfaces, sparks, open flames and other
 ignition sources. No smoking.
P280 Wear protective gloves and eye protection or face protection.
P261 Avoid breathing mist or vapour or spray.
P243 Take action to prevent static discharges.
P273 Avoid release to the environment.
P241 Use explosion-proof electrical, ventilating and lighting equipment.
P240 Ground and bond container and receiving equipment.
P242 Use non-sparking tools.

Precautionary Statements (Response):

P312 Call a POISON CENTER or physician if you feel unwell.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for
 breathing.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.
 Rinse skin with water or shower.
P370 + P378 In case of fire: Use alcohol-resistant foam, carbon dioxide, dry powder
 or water spray for extinction.

Precautionary Statements (Storage):

P233 Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Precautionary Statements (Disposal):

P501 Dispose of contents/container in accordance with local regulations.

Hazards not otherwise classified

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture. See section 12 - Results of PBT and vPvB assessment.

Labeling of special preparations (GHS):

Repeated exposure may cause skin dryness or cracking.

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3. Composition / Information on Ingredients

According to Hazardous Products Regulations (HPR) (SOR/2022-272)

| n-Butyl acetate

CAS Number: 123-86-4
Content (W/W): ≥ 99.5 - $\leq 99.8\%$
Synonym: Essigsäure-n-butylester

n-butanol

CAS Number: 71-36-3
Content (W/W): ≥ 0.1 - $< 0.2\%$
Synonym: 1-Butanol; n-Butanol

4. First-Aid Measures

Description of first aid measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

If on skin:

Wash thoroughly with soap and water

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: Overexposure may cause: unconsciousness, vomiting, weakness, coordination disorder, nausea, diarrhea, coughing, headache

Hazards: Danger of drowsiness and dizziness.

Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

(Further) symptoms and / or effects are not known so far

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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5. Fire-Fighting Measures

Suitable extinguishing media:
dry powder, water spray, carbon dioxide, alcohol-resistant foam

Unsuitable extinguishing media for safety reasons:
water jet

Additional information:
Use extinguishing measures to suit surroundings.

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
Flammable liquid Cool endangered containers with water-spray. See SDS section 7 - Handling and storage.

Advice for fire-fighters

Protective equipment for fire-fighting:
Wear a self-contained breathing apparatus. Special protective equipment for firefighters

Further information:

Evacuate area of all unnecessary personnel. Fight fire from maximum distance.

Extend fire extinguishing measures to the surroundings. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Impact Sensitivity:

Remarks: Based on the chemical structure there is no shock-sensitivity.

6. Accidental release measures

Further accidental release measures:

High risk of slipping due to leakage/spillage of product.

Release of substance/product can cause fire or explosion. Shut off or stop source of leak. Shut off or stop released substance/product under safe conditions.

Pack in tightly closed containers for disposal.

Personal precautions, protective equipment and emergency procedures

Handle in accordance with good industrial hygiene and safety practice.

Avoid all sources of ignition: heat, sparks, open flame. Use antistatic tools.

Environmental precautions

Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

Pick up with suitable appliance and dispose of. Spills should be contained, solidified, and placed in suitable containers for disposal. Dispose of absorbed material in accordance with regulations.

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7. Handling and Storage

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Ground and/or bond all equipment to prevent electrostatic charges. Avoid all sources of ignition: heat, sparks, open flame.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Ground all transfer equipment properly to prevent electrostatic discharge.

Conditions for safe storage, including any incompatibilities

No applicable information available.

Further information on storage conditions: Keep container tightly closed in a cool, well-ventilated place.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

n-butanol	ACGIH, US:	TWA value 20 ppm ;
	OSHA Z1:	PEL 100 ppm 300 mg/m3 ;
n-Butyl acetate	OSHA Z1:	PEL 150 ppm 710 mg/m3 ;
	ACGIH, US:	STEL value 150 ppm ;
	ACGIH, US:	TWA value 50 ppm ;

Advice on system design:

No applicable information available.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour respirator.

Hand protection:

Chemical resistant protective gloves, Protective glove selection must be based on the user's assessment of the workplace hazards.

Eye protection:

Safety glasses with side-shields.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

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General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is required additionally to the stated personal protection equipment. Avoid inhalation.

9. Physical and Chemical Properties

Physical state:	liquid	
Form:	liquid	
Odour:	fruity	
Odour threshold:	not determined	
Colour:	colourless	
pH value:	not applicable	
Melting point:	-78 °C	
	Literature data.	
Freezing point:	No data available.	
Boiling point:	124 - 126.5 °C (1,013 hPa)	
	Literature data.	
Boiling range:	No data available.	
Sublimation point:	No applicable information available.	
Flash point:	27 °C	(Directive 92/69/EEC, A.9, closed cup) (derived from flash point)
Flammability:	Flammable.	
Lower explosion limit:	For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Heat of Combustion:	30.54 kJ/g	
Autoignition:	415 °C	(DIN 51794)
Vapour pressure:	15 hPa (20 °C)	(measured)
	Extrapolated value, static	
Density:	0.8812 g/cm3 (20 °C)	(DIN 51757)
	0.54 g/cm3 (55 °C)	
Relative density:	0.8813 (20 °C)	
	Literature data.	
Relative vapour density:	4 (20 °C)	(calculated)
	Heavier than air.	
Partitioning coefficient n-octanol/water (log Pow):	2.3 (25 °C)	(OECD Guideline 117)
Self-ignition temperature:	Based on its structural properties the product is not classified as self-igniting.	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, kinematic:	0.83 mm2/s (20 °C)	(OECD Guideline 114)

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Solubility in water:	5.3 g/l (20 °C) pH 6
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	soluble solvent(s): organic solvents,
Molecular weight:	116.16 g/mol
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.

Particle characteristics

Particle size distribution: The substance / product is marketed or used in a non solid or granular form.

10. Stability and Reactivity

Reactivity

When heated can give off ignitable vapours.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

not fire-propagating

Formation of

flammable gases:

Remarks:

Forms no flammable gases in the
presence of water.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

Reacts with strong oxidizing agents.

Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame.

Incompatible materials

strong oxidizing agents

Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

11. Toxicological information

Primary routes of exposure

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Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact.

Oral

Type of value: LD50

Species: rat (male/female)

Value: 10,736 mg/kg (other)

Inhalation

Type of value: LC50

Species: rat (male/female)

Value: > 21.1 mg/l (OECD Guideline 403)

Exposure time: 4 h

The vapour was tested.

Type of value: LC0

Species: rat (male/female)

Value: > 38.32 mg/l > 8000 ppm (other)

Exposure time: 6 h

The vapour was tested.

Dermal

Type of value: LD50

Species: rabbit (male/female)

Value: > 14,000 mg/kg (other)

Assessment other acute effects

Assessment of STOT single:

Possible narcotic effects (drowsiness or dizziness).

Irritation / corrosion

Assessment of irritating effects: Not irritating to the skin. Not irritating to the eyes.

Not irritating to the skin. May cause slight irritation to the eyes.

Skin

Species: rabbit

Result: non-irritant

Method: OECD Guideline 404

Eye

Species: rabbit

Result: non-irritant

Method: OECD Guideline 405

Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.

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Guinea pig maximization test

Species: guinea pig

Result: Non-sensitizing.

Method: other

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: After repeated exposure the prominent effect is local irritation.

Genetic toxicity

Assessment of mutagenicity: No mutagenic effect was found in various tests with microorganisms and mammalian cell culture. The substance was not mutagenic in studies with mammals.

The substance was not mutagenic in bacteria. The substance was not genotoxic in mammalian cell culture. The substance was not genotoxic in a test with mammals. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Genetic toxicity in vitro: other Ames-test *S. typhimurium*, *E. coli*:with and without metabolic activation negative

other Cytogenetic assay CHL cells:without metabolic activation negative

OECD Guideline 476 HGPRT assay V79 cells:with and without metabolic activation negative

Genetic toxicity in vivo: OECD Guideline 474 Micronucleus assay mouse (NMRI) (male/female) negative

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Carcinogenicity

Assessment of carcinogenicity: Study does not need to be conducted.

Reproductive toxicity

Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect.

Teratogenicity

Assessment of teratogenicity: Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

Experiences in humans

High concentrations have a narcotizing effect. Prolonged contact can result in drying of the skin.

Other Information

Has a degreasing effect on skin.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

Acutely harmful for aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to fish

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LC50 (96 h) 18 mg/l, Pimephales promelas (Fish test acute, Flow through.)
The statement of the toxic effect relates to the analytically determined concentration.

Aquatic invertebrates

EC50 (48 h) 44 mg/l, Daphnia sp. (Daphnia test acute, static)
Nominal concentration.

Aquatic plants

EC50 (72 h) 397 mg/l (growth rate), Pseudokirchneriella subcapitata (DIN 38412 Part 9)
The statement of the toxic effect relates to the analytically determined concentration. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Chronic toxicity to fish

No data available.

Chronic toxicity to aquatic invertebrates

No observed effect concentration (21 d) 23 mg/l, Daphnia magna (OECD Guideline 211, semistatic)
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Assessment of terrestrial toxicity

No toxic effects have been observed in studies with terrestrial plants.

Soil living organisms

Toxicity to soil dwelling organisms:

No data available.

Toxicity to terrestrial plants

EC50 (14 d) > 1,000 mg/kg > 1.000 mg/kg, Lactuca sativa (OECD Guideline 208)

Other terrestrial non-mammals

No data available.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms

internal method aquatic

Protozoa/EC50 (40 h): 356 mg/l

Persistence and degradability

Assessment biodegradation and elimination (H₂O)

Readily biodegradable (according to OECD criteria).

Elimination information

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EEG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Assessment of stability in water

In contact with water the substance will hydrolyse slowly.

Information on Stability in Water (Hydrolysis)

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$t_{1/2}$ 782 d, (calculated, pH 7)

Bioaccumulative potential

Assessment bioaccumulation potential

No significant accumulation in organisms is expected as a result of the distribution coefficient of n-octanol/water (log Pow).

Bioaccumulation potential

No data available.

Mobility in soil

Assessment transport between environmental compartments

The substance will slowly evaporate into the atmosphere from the water surface.
Adsorption to solid soil phase is not expected.

Additional information

Adsorbable organically-bound halogen(AOX):
This product contains no organically-bound halogen.

13. Disposal considerations

Waste disposal of substance:

Must be disposed of or incinerated in accordance with local regulations.

Container disposal:

Flammable vapors may exist in containers in which residues of this product remain. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

14. Transport Information

Land transport

TDG

Hazard class:	3
Packing group:	III
ID number:	UN 1123
Hazard label:	3
Proper shipping name:	BUTYL ACETATES

Sea transport

IMDG

Hazard class:	3
Packing group:	III
ID number:	UN 1123
Hazard label:	3
Marine pollutant:	NO
Proper shipping name:	BUTYL ACETATES

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Air transport

IATA/ICAO
Hazard class: 3
Packing group: III
ID number: UN 1123
Hazard label: 3
Proper shipping name: BUTYL ACETATES

15. Regulatory Information

Federal Regulations

Registration status:

Chemical DSL, CA

DSL listed and/or otherwise compliant.

NFPA Hazard codes:

Health: 1 Fire: 3 Reactivity: 0 Special:

Assessment of the hazard classes according to UN GHS criteria (most recent version):

Flam. Liq.	3	Flammable liquids
STOT SE	3 (May cause drowsiness and dizziness.)	Specific target organ toxicity — single exposure
Aquatic Acute	3	Hazardous to the aquatic environment - acute

16. Other Information

SDS Prepared by:

BASF NA Product Regulations
SDS Prepared on: 2025/10/13

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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