

BUTANOL, NATURAL

Revision date: 05-08-2016
Version: 3.0/CLP/EN

Print Date: 19-08-2019
Page: 1 / 5

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1. Identification of the substance/mixture

Trade name: BUTANOL, NATURAL
Substance name: BUTYL ALCOHOL
CAS Number: 71-36-3
CE Number: 200-751-6
REACH Registration number: Not available. Substance lawfully placed in the EU market before 1 June 2018.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Company: Prodasynt
Address: 4 Av. Joseph Honoré Isnard
06130 GRASSE - FRANCE
Telephone: (00 33) 4 93 09 00 11
Fax: (00 33) 4 22 13 07 38
E-mail: info@prodasynt.com

1.4. Emergency telephone number

(00 33) 4 93 09 00 11 (8:30 - 17:30)
National emergency information services:
FR: (+33) 1 45 42 59 59 (24h/7)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Flammable Liquids - Category 3 - H226
Acute Toxicity - Category 4 (oral) - H302
Skin Irritant - Category 2 - H315
Serious eye damage - Category 1 - H318
Specific target organ toxicity following single exposure - Category 3 (irritation) - H335
Specific target organ toxicity following single exposure - Category 3 (narcotic effects) - H336

2.2. Label Elements

Hazard pictograms:



Signal Word:
Danger

Hazard statements:

H226 - Flammable liquid and vapour.
H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H335 - May cause respiratory irritation.
H336 - May cause drowsiness or dizziness.

Precautionary statements:

P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312+P330 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
P302+P352+P332+P313 - IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
P304+P340+P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
P370+P378 - In case of fire: Use carbon dioxide, foam, dry powder or water spray for extinction.

2.3. Other hazards

No Information available

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BUTANOL, NATURALRevision date: 05-08-2016
Version: 3.0/CLP/ENPrint Date: 19-08-2019
Page: 2 / 5**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substances**Chemical name: BUTYL ALCOHOL
CAS number: 71-36-3
EC number: 200-751-6**Hazardous constituents:**

Chemical Name	% (w/w)	CAS No EC No	Classification according to Regulation 1272/2008
BUTYL ALCOHOL	≥50	71-36-3 200-751-6	Flam. Liq. 3 - H226 Acute Tox. 4 (oral) - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 (irr.) - H335 STOT SE 3 (narc.) - H336

See the full text of the hazard statements in section 16.

3.2. Mixtures

Not applicable.

SECTION 4. FIRST-AID MEASURES**4.1. Description of necessary first aid measures**

Ingestion: Rinse mouth with water.
Obtain medical advice.
Keep at rest. Do not induce vomiting.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical advice.

Inhalation: Remove person to fresh air and keep at rest.
Seek immediate medical advice.

Skin contact: Take off immediately all contaminated clothing.
Thoroughly wash affected skin with soap and water.
Seek medical attention if symptoms persist.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5. FIRE-FIGHTING MEASURES**5.1. Extinguishing Media**Water spray, carbon dioxide, dry chemical powder or appropriate foam.
For safety reasons do not use full water jet.**5.2. Special hazards arising from the substance or mixture**

Known or Anticipated Hazardous Products of Combustion: Emits toxic fumes under fire conditions.

5.3. Advice for firefightersHigh temperatures can lead to high pressures inside closed containers.
Avoid inhalation of vapors that are created. Use appropriate respiratory protection.
Do not allow spillage of fire to be poured into drains or watercourses.
Wear self-contained breathing apparatus and protective clothing.**SECTION 6. ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**Evacuate surrounding areas. Ensure adequate ventilation. Keep unnecessary and unprotected personnel from entering.
Do not breathe vapor/spray. Avoid contact with skin and eyes. Information regarding personal protective measures: see section 8.**6.2. Environmental precautions**

To avoid possible contamination of the environment, do not discharge into any drains, surface waters or groundwaters.

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Page: 3 / 5**6.3. Methods and materials for containment and cleaning up**

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).
Place in covered containers using non-sparking tools and transport outdoors.
Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater).
Ventilate area and wash spill site after material pickup is complete.

6.4. Reference to other sections

Information regarding exposure controls, personal protection and disposal considerations can be found in sections 8 and 13.

SECTION 7. HANDLING AND STORAGE**7.1. Precautions for safe handling**

Do not store or handle this material near food or drinking water. Do not smoke.
Avoid contact with the eyes, skin and clothing. Wear protective clothing and use glasses.
Observe the rules of safety and hygiene at work.
Keep in the original container or an alternative made from a compatible material.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed and preferably full containers in a cool, dry and ventilated area, protected from light.
Keep away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges).
Keep away from incompatible materials (see section 10).

7.3. Specific end use(s)

No information available.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**8.1. Control parameters**

Components with occupational exposure limits:
None known.

8.2. Exposure controls

Appropriate engineering controls: Measures should be taken to prevent materials from being splashed into the body.
Provide adequate ventilation, according to the conditions of use. Use a mechanical exhaust if required.

Eye/Face protection: Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

Hand Protection: Chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

Respiratory Protection: In case of insufficient ventilation, use suitable respiratory equipment.

Environmental exposure controls: Emissions from ventilation or process equipment should be checked to ensure they comply with environmental protection legislation.
In some cases, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Appearance:	Not determined
Colour:	Conforms to standard
Odour:	Conforms to standard
Odour threshold:	Not determined
pH:	Not determined
Melting point/freezing point:	ca. -89.5
Boiling point/boiling range:	116°C
Flash point:	35 °C
Evaporation rate:	Not determined
Flammability:	Not determined
Lower flammability/Explosive limit:	Not determined
Upper flammability/Explosive limit:	Not determined
Vapour pressure:	Not determined
Vapour Density:	Not determined
Density:	0,805–0,815 g/mL (20°C)
Relative density:	0,805–0,815 (20°C)
Water solubility:	NON MISCIBLE IN WATER - MISCIBLE IN ALCOHOL
Solubility in other solvents:	SOLUBLE IN ETHANOL

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 Page: 4 / 5

Partition coefficient n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity, dynamic:	Not determined
Viscosity, kinematic:	Not determined
Explosive properties:	Not determined
Oxidising properties:	Not determined

9.2. Additional information

No information available.

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

10.4. Conditions to Avoid

Conditions to Avoid: Excessive heat, flame or other ignition sources.

10.5. Incompatible materials

Avoid contact with strong acids and bases and oxidizing agents.

10.6. Hazardous decomposition products

During combustion may form carbon monoxide and unidentified organic compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity	Harmful if swallowed.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitisation	Based on the data available, the criteria for classification are not met.
Germ cell mutagenicity	Based on the data available, the criteria for classification are not met.
Carcinogenicity	Based on the data available, the criteria for classification are not met.
Reproductive toxicity	Based on the data available, the criteria for classification are not met.
STOT-single exposure	May cause respiratory irritation. May cause drowsiness or dizziness.
STOT-repeated exposure	Based on the data available, the criteria for classification are not met.
Aspiration hazard	Based on the data available, the criteria for classification are not met.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Assessment:

Based on the data available, the criteria for classification are not met.

Experimental/calculated data:

No information available.

12.2. Degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Soil mobility

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

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BUTANOL, NATURALRevision date: 05-08-2016
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Page: 5 / 5**12.6. Other adverse effects**

See also sections 6, 7, 13 and 15

Do not allow to get into waste water or waterways.

SECTION 13. DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Dispose of in accordance with national and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

	ADR/RID/ADN	IMDG	IATA-ICAO
14.1. UN Number	UN1120	UN1120	UN1120
14.2. UN Proper Shipping Name	BUTANOLS	BUTANOLS (BUTYL ALCOHOL)	BUTANOLS
14.3. Transport Hazard Class(es)	3	3	3
14.4. Packing Group	III	III	III
14.5. Environmental hazards	No	No	No
Additional information			

14.6 Special precautions for user

None known

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

No information available

15.2. Chemical safety assessment

No information available

SECTION 16: OTHER INFORMATION**Full text of the R-phrases, hazard statements and precautionary statements mentioned in section 3:**

H226 – Flammable liquid and vapour.

H302 – Harmful if swallowed.

H315 – Causes skin irritation.

H318 – Causes serious eye damage.

H335 – May cause respiratory irritation.

H336 – May cause drowsiness or dizziness.

The information included in this safety data sheet is based on the available data at the moment this document is issued. It is meant to be a description of safety requirements for our product and does not stand for a guarantee of its properties. The user is responsible for taking all necessary steps leading to compliance with local rules and legislation.

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