



BUTYLENE GLYCOL 1-3 VEGETAL

Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis
SDS Ref.: BUTYLENE GLYCOL VEG
Issue date: 3/31/2020 Revision date: 3/31/2020 Version: 0.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Substance
Substance name : BUTYLENE GLYCOL 1-3 VEGETAL
EC-No. : 203-529-7
CAS-No. : 107-88-0
REACH registration No : 01-2119455875-25
Product code : BUTYLENE GLYCOL VEG

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

1.2.1. Relevant identified uses

Use of the substance/mixture : chemical product for different uses

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

INTERCHIMIE
ZAC du Parc
13 rue Louis Blériot
FR- 77290 COMPANS
T T: +33 (0)1 64 77 76 27
qualite@interchimie.fr - www.interchimie.fr

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

CAS-No. : 107-88-0
EC-No. : 203-529-7

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Name	Product identifier	%
Butane-1,3-diol	(CAS-No.) 107-88-0 (EC-No.) 203-529-7 (REACH-no) 01-2119455875-25	≥ 99.5

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: This product is not considered to be hazardous. If symptoms persist call a doctor.
First-aid measures after inhalation	: Allow affected person to breathe fresh air. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Wash with soapy water.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion	: Get immediate medical advice/attention. Do not induce vomiting.

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

Symptoms/effects : Cough. Pulmonary irritation.

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

Treat symptomatically. Give a slurry of activated charcoal in water to drink.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Water spray. Foam. Dry powder. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Vapours are heavier than air and may spread along floors.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. EN 133. NIOSH.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spill area may be slippery. Evacuate area.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel. Avoid contact with skin and eyes. Do not breathe vapours. Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Collect spillage.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : This product is not considered to be hazardous. Avoid contact with skin, eyes and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Ensure good ventilation of the work station.
Hygiene measures : Always wash hands after handling the product. Do not eat, drink or smoke when using this product. Remove contaminated clothes.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a closed container. Store in a well-ventilated place. Keep cool. Keep away from sources of ignition.
Incompatible products : Oxidizing agent.
Storage temperature : 15 – 32 °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

BUTYLENE GLYCOL 1-3 VEGETAL (107-88-0)	
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	25 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.85 mg/l
PNEC aqua (marine water)	0.085 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1.78 mg/kg dwt
PNEC sediment (marine water)	0.178 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.13 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10 – 1807 mg/l

8.2. Exposure controls

Appropriate engineering controls:

Provide local exhaust or general room ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

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Hand protection:					
Nitrile rubber gloves					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR)	6 (> 480 minutes)	0.55		
	Fluoroelastomer (FKM)	6 (> 480 minutes)	0.4		EN ISO 374

Eye protection:
Wear closed safety glasses. EN 166

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: weak.
Odour threshold	: No data available
pH	: 6 – 7
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -50 °C DIN IDO 3016
Freezing point	: No data available
Boiling point	: 203 – 204 °C
Flash point	: 121 °C
Auto-ignition temperature	: 410 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: ≈ 26 kPa (20°C)
Vapour pressure at 50 °C	: 1.8 hPa
Relative vapour density at 20 °C	: 3.2 (air=1)
Relative density	: 1.004 – 1.006
Solubility	: Miscible with water.
Partition coefficient n-octanol/water (Log Pow)	: -0.9 mesuré OECD 117
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 131.8 mPa·s (20°C)
Explosive properties	: No dangerous reactions known.
Oxidising properties	: No dangerous reactions known.
Explosive limits	: 1.9 – 12.6 vol %

9.2. Other information

Refractive index	: 1.44 (20°C)
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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable at normal handling and storage conditions.

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10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

10.4. Conditions to avoid

Heat. Sparks. Open flame. Moisture.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. fume.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

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LD50 oral rat	22800 mg/kg rat mâle
LD50 dermal rabbit	> 20000 mg/kg

Skin corrosion/irritation : Not classified
pH: 6 – 7
Serious eye damage/irritation : Not classified
pH: 6 – 7
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified

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LOAEL (animal/male, F0/P)	12000 mg/kg bodyweight
LOAEL (animal/female, F0/P)	12000 mg/kg bodyweight
NOAEL (animal/male, F0/P)	5000 mg/kg bodyweight
NOAEL (animal/female, F0/P)	5000 mg/kg bodyweight

STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

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NOAEL (oral, rat, 90 days)	6000 mg/kg bodyweight/day
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Aspiration hazard : Not classified

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

BUTYLENE GLYCOL 1-3 VEGETAL (107-88-0)	
LC50 fish 1	> 100 mg/l OECD 203 Oryzias latipes - 96h
EC50 Daphnia 1	> 1000 mg/l OECD 202 - 48H
EC50 72h algae (1)	> 1070 mg/l OECD 201 Desmodesmus subspicatus
NOEC chronic fish	1070 mg/l OECD 201 - 3d - Scenedesmus subspicatus

12.2. Persistence and degradability

BUTYLENE GLYCOL 1-3 VEGETAL (107-88-0)	
Persistence and degradability	Biodegradable.
Biodegradation	81 % (29d) boue activée (domestique) OECD 301 B

12.3. Bioaccumulative potential

BUTYLENE GLYCOL 1-3 VEGETAL (107-88-0)	
Partition coefficient n-octanol/water (Log Pow)	-0.9 mesuré OECD 117
Bioaccumulative potential	No bioaccumulation.

12.4. Mobility in soil

BUTYLENE GLYCOL 1-3 VEGETAL (107-88-0)	
Surface tension	72.6 mN/m (1 g/l à 20°C) OECD

12.5. Results of PBT and vPvB assessment

BUTYLENE GLYCOL 1-3 VEGETAL (107-88-0)	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

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ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

BUTYLENE GLYCOL 1-3 VEGETAL is not on the REACH Candidate List

BUTYLENE GLYCOL 1-3 VEGETAL is not on the REACH Annex XIV List

BUTYLENE GLYCOL 1-3 VEGETAL is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

BUTYLENE GLYCOL 1-3 VEGETAL is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

SECTION 16: Other information

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SDS EU (REACH Annex II)

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.