



Safety Data Sheet

Prop BH

Version 1.02

Revision Date 07.11.2023

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

Product identifier

Trade name Prop BH

Product code 2045

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

Use Solvent.

Uses advised against Prohibited for use in production of hand sanitizer.

Manufacturer or supplier's details

Company Sasol Chemicals, a division of Sasol South Africa Ltd

Address Sasol Place, 50 Katherine Street
Sandton
2090
South Africa

Telephone +27103445000

E-mail address sasolchem.info.sa@sasol.com

Supplier's details Sasol Chemicals Pacific Ltd

61 Robinson Road

#17-02

068893

Singapore

Telephone +65 6533 8856

E-mail address info.sg@sasol.com

Emergency Phone Number

Emergency telephone number +44 (0)1235 239 670 (Europe, Israel, Africa, Americas)

+44(0)1235 239 671 (Middle East, Arabic African countries)

+65 3158 1074 (Asia Pacific)

+86 400 120 6011 (China)

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+27 (0)17 610 4444 (South Africa)

0800 112 890 RSA-Local only

+61 (2) 8014 4558 (Australia)

SECTION 2. Hazards identification

Classification of the substance or mixture

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.	
Classification	Flammable liquids Category 3 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 1 Specific target organ toxicity - single exposure Category 3
Label elements	
Hazard pictograms	: 
Signal word	: Danger
Hazard statements	: H226 Flammable liquid and vapour. H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness.
Precautionary statements	: Prevention: P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. P264 Wash skin thoroughly after handling. P280 Wear protective gloves/ eye protection/ face protection. P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ ventilating/ lighting equipment. P242 Use non-sparking tools. P243 Take precautionary measures against static discharge.

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P270 Do not eat, drink or smoke when using this product.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P332 + P317 If skin irritation occurs: Get medical advice/ attention.

P305 + P354 + P338 + P317 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help.

P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3. Composition/information on ingredients

HAZARDOUS INGREDIENTS

Propan-1-ol

Contents: ≥ 40.00 - ≤ 60.00 %W/W

CAS-No. 71-23-8

Index-No. 603-003-00-0

EC-No. 200-746-9

Hazard statements H226 H318 H336

Butan-2-ol

Contents: ≥ 20.00 - ≤ 40.00 %W/W

CAS-No. 78-92-2

Index-No. 603-004-01-3

EC-No. 201-158-5

Hazard statements H226 H319 H335 H336

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Iso-butanol

Contents: ≥ 10.00 - ≤ 25.00 %W/W

CAS-No. 78-83-1

Index-No. 603-108-00-1

EC-No. 201-148-0

Hazard statements *H226 H315 H318 H335 H336*

n-Butanol

Contents: < 10.00 %W/W

CAS-No. 71-36-3

Index-No. 603-004-00-6

EC-No. 200-751-6

Hazard statements *H226 H302 H315 H318 H335 H336*

3-Methylbutan-2-ol

Contents: < 4.00 %W/W

CAS-No. 598-75-4

Index-No. 603-006-00-7

EC-No. 209-950-2

Pentan-2-ol

Contents: < 4.00 %W/W

CAS-No. 6032-29-7

Index-No. 603-006-00-7

EC-No. 227-907-6

Hazard statements *H226 H315 H335*

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SECTION 4. First aid measures

Description of necessary first-aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.
Eye contact	Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. Get medical attention immediately
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

Refer to SECTION 11

SECTION 5. Firefighting measures

Suitable extinguishing media	Water spray, Foam, CO ₂ , Dry powder.
Unsuitable extinguishing media	Do NOT use water jet.
Special hazards arising from the substance or mixture	Hazardous decomposition products
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

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SECTION 6. Accidental release measures

Personal precautions	Use personal protective equipment. Do not breathe vapours or spray mist. Ensure adequate ventilation. Keep away from sources of ignition - No smoking. Use non-sparking tools. Shut off all sources of ignition.
Environmental precautions	Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system. Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system.
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). The material taken up must be disposed of in accordance with regulations.
Reference to other sections	Refer to Section 8 and 13

SECTION 7. Handling and storage

Safe handling advice	Wear personal protective equipment. Avoid contact with skin and eyes. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Ensure all equipment is electrically grounded before beginning transfer operations.
Advice on protection against fire and explosion	No data available.
Requirements for storage areas and containers	Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition - No smoking. Provide sufficient air exchange and/or exhaust in work rooms.
Advice on common storage	No data available.

SECTION 8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

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Components	Type	Control parameters	Update	Basis
N-PROPYL ALCOHOL	TWA	492 mg/m ³	03 2000	Malaysia OELs
N-PROPYL ALCOHOL	TWA	200 ppm	03 2000	Malaysia OELs
SEC-BUTANOL	TWA	303 mg/m ³	03 2000	Malaysia OELs
	TWA	100 ppm	03 2000	Malaysia OELs
ISOBUTYL ALCOHOL	TWA	152 mg/m ³	03 2000	Malaysia OELs
	TWA	50 ppm	03 2000	Malaysia OELs
N-BUTANOL	TLV-C	152 mg/m ³	03 2000	Malaysia OELs
N-BUTANOL	TLV-C	50 ppm	03 2000	Malaysia OELs

Exposure controls

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective equipment

Respiratory protection Wear self-contained breathing apparatus and protective suit.

Hand protection Gloves suitable for permanent contact.:
Material: butyl-rubber
Break through time: 4 h
Material thickness: 0.5 mm

Eye protection Safety glasses with side-shields.

Skin and body protection Protective suit. Safety shoes.

Hygiene measures Wash hands before breaks and immediately after handling the product.

SECTION 9. Physical and chemical properties

Information on basic physical and chemical properties

Form	Liquid
State of matter	Liquid; at 20 °C; 1,013 hPa
Colour	Colourless
Odour	Alcohol-like
Odour Threshold	No data available.

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pH	Not applicable.
Melting point/range	No data available.
Boiling point/boiling range	99 - 113 °C
Flash point	27 °C; closed cup
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Auto-ignition temperature	No data available.
Decomposition Temperature	No data available.
Lower explosion limit	1.4 %(V)
Upper explosion limit	13.7 %(V)
Vapour pressure	No data available.
Relative vapour density	No data available.
Density	0.805 g/cm ³ ; 20 °C
Solubility/qualitative	Completely soluble
Water solubility	Completely miscible, Completely soluble
Partition coefficient: n-octanol/water	No data available.
Viscosity, kinematic	3.46 mm ² /s; 20 °C

SECTION 10. Stability and reactivity

Reactivity	Stable under recommended storage conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Heating can release hazardous gases.
Conditions to avoid	Heat, flames and sparks.
Materials to avoid	Oxidizing agents. Reducing agents. Acids and bases
Hazardous decomposition products	No decomposition if stored normally.

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SECTION 11. Toxicological information

Skin irritation	Propan-1-ol: Rabbit: Not irritating; Draize Test (literature value)
Skin irritation	Iso-butanol: Rabbit: Not irritating; (literature value)
Skin irritation	n-Butanol: Rabbit: Irritating; OECD Test Guideline 404 GLP: no; (literature value)
Eye irritation	Propan-1-ol: Rabbit: Highly irritating 24 - 72 h; (literature value)
Eye irritation	Iso-butanol: Rabbit: Irritating (literature value)
Eye irritation	Butan-2-ol: Rabbit: Irritating OECD Test Guideline 405 1 d; GLP: yes; (literature value)
Eye irritation	n-Butanol: Rabbit: Irritating GLP: no; (literature value)
Mutagenicity	Iso-butanol: Experiments showed mutagenic effects in cultured bacterial cells. Ames test: Salmonella typhimurium; with and without; Not mutagenic; (literature value)
Mutagenicity	Propan-1-ol: Ames test: Salmonella typhimurium; Not mutagenic; (literature value)
Mutagenicity	n-Butanol: Ames test: Salmonella typhimurium; with and without; Not mutagenic; OECD Test Guideline 471; GLP: no; (literature value)

SECTION 12. Ecological information

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Toxicity to fish	n-Butanol: flow-through test; Pimephales promelas; 96 h; LC50; 1,730 mg/l; GLP: no; (literature value)
Toxicity to fish	Propan-1-ol: static test; Pimephales promelas; 96 h; LC50; 4,650 mg/l; GLP: no; (literature value)
Toxicity to daphnia and other aquatic invertebrates	n-Butanol: static test; Daphnia magna; 48 h; EC50; 1,983 mg/l; GLP: no; (literature value)
Toxicity to daphnia and other aquatic invertebrates	Propan-1-ol: static test; Daphnia magna (Water flea); 48 h; EC50; 3,644 mg/l; (literature value)
Biodegradability	n-Butanol: aerobic; activated sludge of a predominantly domestic sewage; 3 mg/l; 92 %; 20 d; Readily biodegradable.; GLP: no; (literature value)
Biodegradability	Iso-butanol: aerobic; 100 mg/l; > 70 %; 14 d; Readily biodegradable.; OECD Guideline 301 A (new version); (literature value)
Biodegradability	Propan-1-ol: aerobic; 3 mg/l; 81 %; 20 d; Readily biodegradable.; (literature value)
Mobility in soil	No data available.
Results of PBT and vPvB assessment	This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

SECTION 13. Disposal considerations

Product	Disposal should be in accordance with local, regional and national legislations.
Packaging	Dispose of spent product packaging responsibly and lawfully with due consideration for health, safety and the environment.

SECTION 14. Transport information

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DG Pictogram



ADR

UN number: 1987
Class: 3
Packaging group: III; F1;
Proper shipping name: ALCOHOLS, N.O.S.
 (n-propanol, butanols)

RID

UN number: 1987
Class: 3
Packaging group: III; F1
Proper shipping name: ALCOHOLS, N.O.S.
 (n-propanol, butanols)

ADNR

UN number: 1987
Class: 3
Packaging group: III; F1
Proper shipping name: ALCOHOLS, N.O.S.
 (n-propanol, butanols)

IMDG



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UN number: 1987
Class: 3
EmS: F-E, S-D
Packaging group: III
Proper shipping name: ALCOHOLS, N.O.S.
(n-propanol, butanols)
Marine pollutant Not a Marine Pollutant

ICAO/IATA

UN number : 1987
Class: 3
Packaging group: III
Proper shipping name: ALCOHOLS,N.O.S.
(n-propanol, butanols)

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Noxious liquid. NF, (8) n.o.s (Prop BH, contains-n-Propyl alcohol)
Ship Type: 3

POLLUTION CATEGORY: Y

SECTION 15. Regulatory information

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

USA TSCA Inventory

All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)

Canadian Domestic Substances List (DSL)

All chemical constituents are listed in: Canadian Domestic Substances List (DSL) (See chapter 3)

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Australian Inv. of Chem. Substances (AICS)	All chemical constituents are listed in: Australian Inv. of Chem. Substances (AICS) (See chapter 3)
New Zealand Inventory of Chemicals (NZIoC)	All chemical constituents are listed in: New Zealand Inventory of Chemicals (NZIoC) (See chapter 3)
Jap. Inv. of Exist. & New Chemicals (ENCS)	All chemical constituents are listed in: Jap. Inv. of Exist. & New Chemicals (ENCS) (See chapter 3)
Japan. Industrial Safety & Health Law (ISHL)	All chemical constituents are listed in: Japan. Industrial Safety & Health Law (ISHL) (See chapter 3)
Korea. Existing Chemicals Inventory (KECI)	All chemical constituents are listed in: Korea. Existing Chemicals Inventory (KECI) (See chapter 3)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	All chemical constituents are listed in: Philippines Inventory of Chemicals and Chemical Substances (PICCS) (See chapter 3)
China Inv. Existing Chemical Substances (IECSC)	All chemical constituents are listed in: China Inv. Existing Chemical Substances (IECSC) (See chapter 3)

SECTION 16. Other information

Full text of H-Statements

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which this product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which this product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place with respect to health and safety. This does not substitute the need or requirement for any relevant risk assessments to

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be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of this product.

Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy of, or assume any liability for incomplete information contained herein or any advice given. When this product is sold, risk passes to the purchaser in accordance with the specific terms and conditions of sale.