



# Safety Data Sheet

## Sabutol

Version 1.04

Revision Date 19.03.2025

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

#### Product identifier

**Trade name** Sabutol

**Product code** 2051

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

**Use** Raw material for printing inks and printing ink additives. Paint related material

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

#### Manufacturer or supplier's details

**Company Address** Sasol Chemicals, a division of Sasol South Africa (Pty) Ltd  
Sasol Place, 50 Katherine Street  
Sandton  
2090  
South Africa

**Telephone** +27103445000

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

**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)  
+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

#### REGULATION (EC) No 1272/2008

<b>Classification</b>	Flammable liquids	Category 3
	Acute toxicity	Category 4
	Specific target organ toxicity - single exposure	Category 3
	Serious eye damage	Category 1
	Skin irritation	Category 2

#### Label elements

Print Date 19.03.2025

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# Safety Data Sheet

## Sabutol

Version 1.04

Revision Date 19.03.2025

### REGULATION (EC) No 1272/2008

**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**

## Safety Data Sheet

### Sabutol

Version 1.04

Revision Date 19.03.2025

#### Prevention

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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/ vapours/ spray.
- P264+P265 Wash hands thoroughly after handling. Do not touch eyes.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### Response

- P301 + P317 + P330 IF SWALLOWED: Get medical help. Rinse mouth.
- P302 + P352 IF ON SKIN: Wash with plenty of water.
- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- 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.
- P317 Get medical help.
- P321 Specific treatment (see supplemental first aid instructions on this label).
- P332 + P313 If skin irritation occurs: Get medical advice/ attention.
- P362 + P364 Take off contaminated clothing and wash it before reuse.
- P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

#### Storage

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

# Safety Data Sheet

## Sabutol

Version 1.04

Revision Date 19.03.2025

### SECTION 3. Composition/information on ingredients

#### HAZARDOUS INGREDIENTS

##### butan-1-ol

**Contents:**  $\geq 60.00$  % W/W

**CAS-No.** 71-36-3

**Index-No.** 603-004-00-6

**EC-No.** 200-751-6

**Hazard statements** H226 H302 H335 H315 H318 H336

##### pentan-2-ol

**Contents:**  $< 25.00$  % W/W

**CAS-No.** 6032-29-7

**Index-No.** 603-006-00-7

**EC-No.** 227-907-6

**Hazard statements** NA

##### 2-methylpropan-1-ol

**Contents:**  $< 20.00$  % 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

##### 3-Methyl-2-butanol

**Contents:**  $< 10.00$  % W/W

**CAS-No.** 598-75-4

**Index-No.** 603-006-00-7

**EC-No.** 209-950-2

**Hazard statements** NA

##### Pentan-3-ol

**Contents:**  $< 10.00$  % W/W

**CAS-No.** 584-02-1

**Index-No.** 603-006-00-7

**EC-No.** 209-526-7

**Hazard statements** H226 H332 H335 H315

##### propan-1-ol

**Contents:**  $< 5.00$  % W/W

**CAS-No.** 71-23-8

**Index-No.** 603-003-00-0

**EC-No.** 200-746-9

**Hazard statements** H226 H318 H336



# Safety Data Sheet

## Sabutol

Version 1.04

Revision Date 19.03.2025

### butan-2-ol

**Contents:** < 5.00 % W/W

**CAS-No.** 78-92-2

**Index-No.** 603-004-01-3

**EC-No.** 201-158-5

**Hazard statements** H319 H335 H336 H226

# Safety Data Sheet

## Sabutol

Version 1.04

Revision Date 19.03.2025

### SECTION 4. First aid measures

#### Description of necessary first-aid measures

<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapours. In case of shortness of breath, give oxygen. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Call a physician immediately.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Call a physician immediately.
<b>Ingestion</b>	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.
<b>Most important symptoms/effects, acute and delayed</b>	

Refer to SECTION 11

### SECTION 5. Firefighting measures

<b>Suitable extinguishing media</b>	Water spray. Dry powder. Alcohol-resistant foam.
<b>Special hazards arising from the substance or mixture</b>	Flash back possible over considerable distance. Do not allow run-off from fire fighting to enter drains or water courses.
<b>Special protective equipment for firefighters</b>	Wear self-contained breathing apparatus and protective suit.

### SECTION 6. Accidental release measures

<b>Personal precautions</b>	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.
<b>Environmental precautions</b>	Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.
<b>Methods for cleaning up</b>	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.
<b>Reference to other sections</b>	Refer to section 8 and 13

# Safety Data Sheet

## Sabutol

Version 1.04

Revision Date 19.03.2025

### SECTION 7. Handling and storage

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

### SECTION 8. Exposure controls/personal protection

#### Components with workplace control parameters

#### NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
BUTAN-1-OL	STEL	150 mg/m <sup>3</sup>	1995	South Africa RELs
N-BUTYL ALCOHOL	STEL	50 ppm	1995	South Africa RELs
BUTAN-1-OL				
ISOBUTYL ALCOHOL	TWA	150 mg/m <sup>3</sup>	1995	South Africa RELs
ISOBUTYL ALCOHOL	TWA	50 ppm	1995	South Africa RELs
	STEL	225 mg/m <sup>3</sup>	1995	South Africa RELs
	STEL	75 ppm	1995	South Africa RELs
SEC-BUTYL ALCOHOL	TWA	300 mg/m <sup>3</sup>	1995	South Africa RELs
SEC-BUTYL ALCOHOL	TWA	100 ppm	1995	South Africa RELs
	STEL	450 mg/m <sup>3</sup>	1995	South Africa RELs
	STEL	150 ppm	1995	South Africa RELs
N-PROPANOL	TWA	500 mg/m <sup>3</sup>	1995	South Africa RELs
N-PROPANOL	TWA	200 ppm	1995	South Africa RELs
PROPAN-1-OL	STEL	625 mg/m <sup>3</sup>	1995	South Africa RELs
PROPAN-1-OL	STEL	250 ppm	1995	South Africa RELs

#### Exposure controls

#### Engineering measures

# Safety Data Sheet

## Sabutol

Version 1.04

Revision Date 19.03.2025

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

### Personal protective equipment

<b>Hand protection</b>	Gloves suitable for permanent contact.: Material: butyl-rubber Break through time: 4 h Material thickness: 0.5 mm
<b>Eye protection</b>	Safety glasses with side-shields
<b>Skin and body protection</b>	Protective suit. Safety shoes
<b>Hygiene measures</b>	Wash hands before breaks and immediately after handling the product.

## SECTION 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Form</b>	Liquid
<b>State of matter</b>	Liquid; at 20 °C; 1,013 hPa
<b>Colour</b>	Colourless
<b>Odour</b>	Alcohol-like
<b>Odour Threshold</b>	No data available
<b>pH</b>	Not applicable
<b>Melting point/range</b>	-89 °C
<b>Boiling point/boiling range</b>	117 °C
<b>Flash point</b>	35 °C; closed cup
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Lower explosion limit</b>	1.4 %(V)
<b>Upper explosion limit</b>	11.2 %(V)
<b>Vapour pressure</b>	No data available
<b>Relative vapour density</b>	No data available
<b>Density</b>	0.81 g/cm <sup>3</sup> ; 20 °C
<b>Water solubility</b>	partly soluble
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Viscosity, kinematic</b>	4.05 mm <sup>2</sup> /s; 20 °C

## SECTION 10. Stability and reactivity

<b>Reactivity</b>	Stable under recommended storage conditions.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Vapours may form explosive mixture with air.
<b>Conditions to avoid</b>	Heat, flames and sparks.

# Safety Data Sheet

## Sabutol

Version 1.04

Revision Date 19.03.2025

**Materials to avoid** Oxidizing agents. Reducing agents Acids and bases  
**Hazardous decomposition products** Stable under recommended storage conditions.

### SECTION 11. Toxicological information

<b>Acute oral toxicity</b>	butan-2-ol: LD50 Oral Rat: male 2,054 mg/kg; (literature value)
<b>Acute oral toxicity</b>	propan-1-ol: LD50 : > 5,000 mg/kg; OECD Test Guideline 401; (literature value) Based on available data, the classification criteria are not met.
<b>Acute oral toxicity</b>	butan-1-ol: LD50 Mouse: 2,290 mg/kg; OECD Test Guideline 401; GLP: no (literature value)
<b>Acute oral toxicity</b>	2-methylpropan-1-ol: LD50 Rat: female > 2,830 mg/kg; GLP: yes (literature value)
<b>Acute inhalation toxicity</b>	2-methylpropan-1-ol: LC0 Rat: male and female; 6 h; vapour; > 6000 ppm; OECD Test Guideline 403; GLP: yes; (literature value)
<b>Acute inhalation toxicity</b>	butan-1-ol: No adverse effect has been observed in acute toxicity tests.
<b>Acute inhalation toxicity</b>	propan-1-ol: LC50 Rat: 4 h; > 20 mg/l; OECD Test Guideline 403; (literature value), Based on available data, the classification criteria are not met.
<b>Acute inhalation toxicity</b>	butan-2-ol: LC50 Rat: male; 4 h; vapour; 16000 ppm; GLP: no; (literature value)
<b>Acute dermal toxicity</b>	butan-1-ol: LD50 Rabbit: male; 3,434 mg/kg; GLP: no; (literature value)
<b>Acute dermal toxicity</b>	2-methylpropan-1-ol: LD50 Rabbit: > 2,000 mg/kg; OECD Test Guideline 402; (literature value)
<b>Acute dermal toxicity</b>	propan-1-ol: LD50 Dermal Rabbit: > 2,000 - 5,000 mg/kg; OECD Test Guideline 402; (literature value), Based on available data, the classification criteria are not met.
<b>Acute dermal toxicity</b>	butan-2-ol: LD50 Dermal Rat: male and female; > 2,000 mg/kg; (literature value)
<b>Skin irritation</b>	propan-1-ol: Rabbit: No skin irritation; OECD Test Guideline 404 (literature value)
<b>Skin irritation</b>	butan-1-ol: Rabbit: irritating; OECD Test Guideline 404 GLP: no; (literature value)
<b>Skin irritation</b>	2-methylpropan-1-ol: Rabbit: irritating; (literature value)
<b>Eye irritation</b>	butan-1-ol: Rabbit: irritating GLP: no; (literature value)
<b>Eye irritation</b>	2-methylpropan-1-ol:

# Safety Data Sheet

## Sabutol

Version 1.04

Revision Date 19.03.2025

<b>Eye irritation</b>	Rabbit: irritating (literature value) propan-1-ol: Rabbit: Risk of serious damage to eyes. Category 1; OECD Test Guideline 405 (literature value)
<b>Eye irritation</b>	butan-2-ol: Rabbit: irritating OECD Test Guideline 405 1 d; GLP: yes; (literature value)
<b>Mutagenicity</b>	propan-1-ol: In vitro tests did not show mutagenic effects; (literature value)
<b>Mutagenicity</b>	butan-1-ol: Ames test: Salmonella typhimurium; with and without; Not mutagenic; OECD Test Guideline 471; GLP: no; (literature value)
<b>Mutagenicity</b>	2-methylpropan-1-ol: Experiments showed mutagenic effects in cultured bacterial cells. Ames test: Salmonella typhimurium; with and without; Not mutagenic; (literature value)

### SECTION 12. Ecological information

<b>Toxicity to fish</b>	propan-1-ol: semi-static test; Pimephales promelas (fathead minnow); 96 h; LC50; > 100 mg/l; OECD Test Guideline 203; (literature value)
<b>Toxicity to fish</b>	butan-2-ol: static test; Pimephales promelas; 96 h; LC50; 2,993 mg/l; (literature value)
<b>Toxicity to fish</b>	butan-1-ol: flow-through test; Pimephales promelas; 96 h; LC50; 1,730 mg/l; GLP: no; (literature value)
<b>Toxicity to fish</b>	2-methylpropan-1-ol: flow-through test; Pimephales promelas; 96 h; LC50; 1,430 mg/l; (literature value)
<b>Toxicity to daphnia and other aquatic invertebrates</b>	2-methylpropan-1-ol: static test; Daphnia pulex (Water flea); 48 h; EC50; 1,100 mg/l(literature value)
<b>Toxicity to daphnia and other aquatic invertebrates</b>	butan-1-ol: static test; Daphnia magna; 48 h; EC50; 1,983 mg/lGLP: no; (literature value)
<b>Toxicity to daphnia and other aquatic invertebrates</b>	propan-1-ol: static test; Daphnia magna (Water flea); 48 h; EC50; > 100 mg/l(literature value)
<b>Toxicity to daphnia and other aquatic invertebrates</b>	butan-2-ol: static test; Daphnia magna (Water flea); 24 h; EC50; 2,300 mg/lGLP: no; (literature value)
<b>Toxicity to bacteria</b>	propan-1-ol: static test; 3 h; IC50; > 1,000 mg/l; ; activated sludge, domestic;

# Safety Data Sheet

## Sabutol

Version 1.04

Revision Date 19.03.2025

<b>Toxicity to bacteria</b>	(literature value) butan-2-ol: Pseudomonas putida; 16 h; 500 mg/IGLP: no; ; Information taken from reference works and the literature.
<b>Toxicity to bacteria</b>	butan-1-ol: Pseudomonas putida; 17 h; EC50; 4,390 mg/l; Information taken from reference works and the literature.
<b>Toxicity to bacteria</b>	2-methylpropan-1-ol: Pseudomonas putida; 16 h; 280 mg/l; Information taken from reference works and the literature.
<b>Chronic toxicity in aquatic invertebrates</b>	propan-1-ol: NOEC; Daphnia magna; ; 21 dEC50; 68.3 mg/lreproduction rate; ; Fresh water; QSAR, (literature value)
<b>Chronic toxicity in aquatic invertebrates</b>	butan-1-ol: semi-static test; Daphnia magna; ; 21 d4.1 mg/l; (literature value)
<b>Chronic toxicity in aquatic invertebrates</b>	2-methylpropan-1-ol: Daphnia magna; ; 21 d20 mg/l; Information taken from reference works and the literature.
<b>Biodegradability</b>	propan-1-ol: aerobic; 70 %; 20 d; Readily biodegradable.; OECD Guideline 301 D; (literature value)
<b>Biodegradability</b>	butan-2-ol: aerobic; 86 %; 5 d; GLP: no; (literature value)
<b>Biodegradability</b>	butan-1-ol: aerobic; activated sludge of a predominantly domestic sewage; 3 mg/l; 92 %; 20 d; Readily biodegradable.; GLP: no; (literature value)
<b>Biodegradability</b>	2-methylpropan-1-ol: aerobic; 100 mg/l; > 70 %; 14 d; Readily biodegradable.; OECD Guideline 301 A (new version); (literature value)

### SECTION 13. Disposal considerations

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

### SECTION 14. Transport information

#### DG Pictogram



## Safety Data Sheet

### Sabutol

Version 1.04

Revision Date 19.03.2025

#### ADR

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

#### RID

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

#### ADNR

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

#### IMDG

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

#### ICAO/IATA

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

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Noxious liquid, N, F, (8) n.o.s (Sabutol, contains - n-propyl alcohol)  
 Ship Type: 3

POLLUTION CATEGORY: Y

<b>SECTION 15. Regulatory information</b>
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# Safety Data Sheet

## Sabutol

Version 1.04

Revision Date 19.03.2025

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

<b>Canada. DSL - Domestic Substances List, part of CEPA</b>	All chemical constituents are listed in: Canada. DSL - Domestic Substances List, part of CEPA (See chapter 3)
<b>Australia. AICS - Australian Inventory of Chemical Substances</b>	All chemical constituents are listed in: Australia. AICS - Australian Inventory of Chemical Substances (See chapter 3)
<b>New Zealand Inventory of Chemicals (NZIoC)</b>	All chemical constituents are listed in: New Zealand Inventory of Chemicals (NZIoC) (See chapter 3)
<b>Japan. ENCS - Existing and New Chemical Substances Inventory</b>	All chemical constituents are listed in: Japan. ENCS - Existing and New Chemical Substances Inventory (See chapter 3)
<b>Japan. Industrial Safety and Health Law - Inventory</b>	All chemical constituents are listed in: Japan. Industrial Safety and Health Law - Inventory (See chapter 3)
<b>Korea. KECI - Korean Existing Chemicals Inventory</b>	All chemical constituents are listed in: Korea. KECI - Korean Existing Chemicals Inventory (See chapter 3)
<b>Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances</b>	All chemical constituents are listed in: Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances (See chapter 3)
<b>China Inv. Existing Chemical Substances (IECSC)</b>	<b>Components Not listed</b> 3-Methyl-2-butanol
<b>Taiwan. Chemical Substances Inventory (TCSI)</b>	All chemical constituents are listed in: Taiwan. Chemical Substances Inventory (TCSI) (See chapter 3)
<b>USA TSCA Inventory</b>	All chemical constituents are listed in: USA TSCA Inventory (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.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.



## Safety Data Sheet

### Sabutol

Version 1.04

Revision Date 19.03.2025

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 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.