Safety Data Sheet

Sabutol

Version 1.03 Revision Date 18.06.2026

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	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, 61 Robinson Singapore 068893
Telephone	+65 6533 8856
E-mail address	info.sg@sasol.com

Emergency Phone Number

Emergency telephone	+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

GHS Classification

	Model Work Health and Safety Regulations 2011, Model Code of Practice for the Labelling of Workplace Hazardous Chemicals (2011), Guidance on the Classification of Hazardous Chemicals under the WHS Regulations (2012) (GHS 2009)	
Classification	Flammable liquids	Category 3
	Acute toxicity (Oral)	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1
	Specific target organ toxicity - single exposure	Category 3

GHS label elements

Hazard pictograms :

Signal Word : Danger

Hazard Statements :
H226 Flammable liquid and vapor.
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 :

Prevention:
P210 Keep away from heat/ sparks/ open flames/ hot surfaces. 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/ vapors/ 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/ 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 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P317 Get medical help.
P321 Specific treatment (see supplemental first aid instructions on this label).
P332 + P317 If skin irritation occurs: Get medical help.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

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 waste disposal plant.

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

n-Butanol

Contents: >= 60.00 %W/W

CAS-No. 71-36-3 **Index-No.** 603-004-00-6 **EC-No.** 200-751-6
Hazard Statements *H315 H226 H302 H318 H335 H336*

pentan-2-ol

Contents: < 20.00 %W/W

CAS-No. 6032-29-7 **Index-No.** 603-006-00-7 **EC-No.** 227-907-6
Hazard Statements *H226 H332 H335 H226 H332 H335*

3-pentanol

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 H315 H226 H332 H335*

n-Propanol

Contents: < 5.00 %W/W

CAS-No. 71-23-8 **Index-No.** 603-003-00-0 **EC-No.** 200-746-9
Hazard Statements *H225 H318 H336*

2-Butanol

Contents: < 5.00 %W/W

CAS-No. 78-92-2 **Index-No.** 603-004-01-3 **EC-No.** 201-158-5
Hazard Statements *H319 H226 H335 H336*

2-Methylpropanol-1.

Contents: <= 20.00 %W/W

CAS-No. 78-83-1 **Index-No.** 603-108-00-1 **EC-No.** 201-148-0
Hazard Statements *H315 H226 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 H226 H332 H335*

SECTION 4. First aid measures

Description of necessary first-aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapors. In case of shortness of breath, give oxygen. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. Call a physician immediately.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Call a physician 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 Dry powder Alcohol-resistant foam
Special hazards arising from the substance or mixture	Flash back possible over considerable distance. Do not allow run-off from fire fighting to enter drains or water courses.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

SECTION 6. Accidental release measures

Personal precautions	Use personal protective equipment. Do not breathe vapors 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.
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. 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.
Advice on protection against fire and explosion	Use explosion-proof equipment.Provide sufficient air exchange and/or exhaust in work rooms.Keep away from sources of ignition - No smoking.
Requirements for storage areas and containers	Keep containers tightly closed in a cool, well-ventilated place.Keep away from sources of ignition - No smoking.
Advice on common storage	No data available

SECTION 8. Exposure controls/personal protection

Ingredients with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
n-Butyl alcohol	Peak limit Peak limit	152 mg/m3 50 ppm	2013-12-10 2013-12-10	Australia. National Exposure Standards for Atmospheric Contaminants Australia. National Exposure Standards for Atmospheric Contaminants

Isobutyl alcohol	TWA TWA	152 mg/m3 50 ppm	2012-05-04 2012-05-04	Australia. National Exposure Standards for Atmospheric Contaminants Australia. National Exposure Standards for Atmospheric Contaminants
sec-Butyl alcohol	TWA TWA	303 mg/m3 100 ppm	2012-05-04 2012-05-04	Australia. National Exposure Standards for Atmospheric Contaminants Australia. National Exposure Standards for Atmospheric Contaminants
Propyl alcohol Propyl alcohol	STEL STEL TWA TWA	614 mg/m3 250 ppm 492 mg/m3 200 ppm	2012-05-04 2012-05-04 2012-05-04 2012-05-04	Australia. National Exposure Standards for Atmospheric Contaminants Australia. National Exposure Standards for Atmospheric Contaminants Australia. National Exposure Standards for Atmospheric Contaminants Australia. National Exposure Standards for Atmospheric Contaminants

Exposure controls

Engineering measures

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

Personal protective equipment

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
Color	colorless

Odor	alcohol-like
Odor Threshold	No data available
pH	Not applicable
Melting point/ range	-89 °C
Boiling point/boiling range	117 °C
Flash point	35 °C; closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Autoignition temperature	No data available
Decomposition Temperature	No data available
Lower explosion limit	1.4 %(V)
Upper explosion limit	11.2 %(V)
Vapor pressure	No data available
Relative vapor density	No data available
Density	0.81 g/cm3; 20 °C
Water solubility	partly soluble
Partition coefficient: n-octanol/water	No data available
Viscosity, kinematic	4.05 mm2/s; 20 °C

SECTION 10. Stability and reactivity

Reactivity	Stable under recommended storage conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Vapors may form explosive mixture with air.
Conditions to avoid	Heat, flames and sparks.
Materials to avoid	Oxidizing agents. Reducing agents. Acids and bases
Hazardous decomposition products	Stable under recommended storage conditions.

SECTION 11. Toxicological information

Acute oral toxicity	2-Butanol: LD50 Oral Rat: male2,054 mg/kg; (literature value)

Acute oral toxicity	n-Propanol: LD50 : > 5,000 mg/kg; OECD Test Guideline 401; (literature value) Based on available data, the classification criteria are not met.
Acute oral toxicity	n-Butanol: LD50 Mouse: 2,290 mg/kg; OECD Test Guideline 401; (literature value)
Acute oral toxicity	2-Methylpropanol-1.: LD50 Rat: female> 2,830 mg/kg; GLP: yes (literature value)
Acute inhalation toxicity	2-Methylpropanol-1.: LC0 Rat: male and female; 6 h; vapor; > 6000 ppm; OECD Test Guideline 403; GLP: yes; (literature value)
Acute inhalation toxicity	n-Butanol: No adverse effect has been observed in acute toxicity tests., Information taken from reference works and the literature.
Acute inhalation toxicity	n-Propanol: LC50 Rat: 4 h; > 20 mg/l; OECD Test Guideline 403; (literature value), Based on available data, the classification criteria are not met.
Acute inhalation toxicity	2-Butanol: LC50 Rat: male; 4 h; vapor; 16000 ppm; GLP: no; (literature value)
Acute dermal toxicity	n-Butanol: LD50 Rabbit: male; 3,434 mg/kg; OECD Test Guideline 402; (literature value)
Acute dermal toxicity	2-Methylpropanol-1.: LD50 Rabbit: > 2,000 mg/kg; OECD Test Guideline 402; (literature value)
Acute dermal toxicity	n-Propanol: 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.
Acute dermal toxicity	2-Butanol: LD50 Dermal Rat: male and female; > 2,000 mg/kg; (literature value)
Skin irritation	n-Propanol: Rabbit: No skin irritation; OECD Test Guideline 404 (literature value)
Skin irritation	n-Butanol: Rabbit: irritating; OECD Test Guideline 404 (literature value)
Skin irritation	2-Methylpropanol-1.: Rabbit: irritating; (literature value)
Eye irritation	n-Butanol: Rabbit: irritating (literature value)
Eye irritation	2-Methylpropanol-1.: Rabbit: irritating (literature value)
Eye irritation	n-Propanol: Rabbit: Risk of serious damage to eyes. Category 1; OECD Test

	Guideline 405 (literature value)
Eye irritation	2-Butanol: Rabbit: irritating OECD Test Guideline 405 1 d; GLP: yes; (literature value)
Mutagenicity	n-Propanol: In vitro tests did not show mutagenic effects; (literature value)
Mutagenicity	n-Butanol: Ames test: Salmonella typhimurium; Not mutagenic; OECD Test Guideline 471; (literature value) Micronucleus test; mice NMRI; Oral; OECD Guideline 474; Not mutagenic; (literature value);
Mutagenicity	2-Methylpropanol-1.: Experiments showed mutagenic effects in cultured bacterial cells.Ames test: Salmonella typhimurium; with and without; Not mutagenic; (literature value)

SECTION 12. Ecological information

Toxicity to fish	n-Propanol: semi-static test; Pimephales promelas (fathead minnow); 96 h; LC50; > 100 mg/l; OECD Test Guideline 203; (literature value)
Toxicity to fish	2-Butanol: static test; Pimephales promelas; 96 h; LC50; 2,993 mg/l; (literature value)
Toxicity to fish	n-Butanol: flow-through test; Pimephales promelas; 96 h; LC50; 1,376 mg/l; OECD Test Guideline 203; (literature value)
Toxicity to fish	2-Methylpropanol-1.: flow-through test; Pimephales promelas; 96 h; LC50; 1,430 mg/l; (literature value)
Toxicity to daphnia and other aquatic invertebrates	2-Methylpropanol-1.: static test; Daphnia pulex (Water flea); 48 h; EC50; 1,100 mg/l(literature value)
Toxicity to daphnia and other aquatic invertebrates	n-Butanol: static test; Daphnia magna; 48 h; EC50; > 1,328 mg/l(literature value)
Toxicity to daphnia and other aquatic invertebrates	n-Propanol: static test; Daphnia magna (Water flea); 48 h; EC50; > 100 mg/l(literature value)
Toxicity to daphnia and other	2-Butanol: static test; Daphnia magna (Water flea); 24 h; EC50; 2,300 mg/lGLP:

aquatic invertebrates	no; (literature value)
Toxicity to bacteria	n-Propanol: static test; 3 h; IC50; > 1,000 mg/l; ; activated sludge, domestic; (literature value)
Toxicity to bacteria	2-Butanol: Pseudomonas putida; 16 h; 500 mg/lGLP: no; ; Information taken from reference works and the literature.
Toxicity to bacteria	n-Butanol: Pseudomonas putida; 17 h; EC50; 4,390 mg/l; Information taken from reference works and the literature.
Toxicity to bacteria	2-Methylpropanol-1.: Pseudomonas putida; 16 h; 280 mg/l; Information taken from reference works and the literature.
Chronic toxicity in aquatic invertebrates	n-Propanol: NOEC; Daphnia magna; ; 21 dEC50; 68.3 mg/lreproduction rate; ; Fresh water; QSAR, (literature value)
Chronic toxicity in aquatic invertebrates	n-Butanol: semi-static test; Daphnia magna; ; 21 dNOEC; 4.1 mg/lOECD Guideline 211; ; (literature value)
Chronic toxicity in aquatic invertebrates	2-Methylpropanol-1.: Daphnia magna; ; 21 d20 mg/l; Information taken from reference works and the literature.
Biodegradability	n-Propanol: aerobic; 70 %; 20 d; Readily biodegradable.; OECD Guideline 301 D; (literature value)
Biodegradability	2-Butanol: aerobic; 86 %; 5 d; GLP: no; (literature value)
Biodegradability	n-Butanol: aerobic; activated sludge of a predominantly domestic sewage; 3 mg/l; 92 %; 20 d; Readily biodegradable.; (literature value)
Biodegradability	2-Methylpropanol-1.: aerobic; 100 mg/l; > 70 %; 14 d; Readily biodegradable.; OECD Guideline 301 A (new version); (literature value)

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

DG Pictogram

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	Sabutol (contains sec-Amyl alcohol and Isobutyl alcohol) Ship Type: 3 POLLUTION CATEGORY: Y

SECTION 15. Regulatory information

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

Canada. DSL - Domestic Substances List, part of CEPA	All chemical constituents are listed in: Canada. DSL - Domestic Substances List, part of CEPA (See chapter 3)
Australia. AICS - Australian Inventory of Chemical Substances	All chemical constituents are listed in: Australia. AICS - Australian Inventory of Chemical Substances (See chapter 3)
New Zealand Inventory of Chemicals (NZIoC)	All chemical constituents are listed in: New Zealand Inventory of Chemicals (NZIoC) (See chapter 3)
Japan. ENCS - Existing and New Chemical Substances Inventory	All chemical constituents are listed in: Japan. ENCS - Existing and New Chemical Substances Inventory (See chapter 3)
Japan. Industrial Safety and Health Law - Inventory	All chemical constituents are listed in: Japan. Industrial Safety and Health Law - Inventory (See chapter 3)
Korea. KECI - Korean Existing Chemicals Inventory	All chemical constituents are listed in: Korea. KECI - Korean Existing Chemicals Inventory (See chapter 3)
Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances	All chemical constituents are listed in: Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances (See chapter 3)

China Inv. Existing Chemical Substances (IECSC)	**Components Not listed** 3-Methyl-2-butanol
Taiwan. Chemical Substances Inventory (TCSI)	All chemical constituents are listed in: Taiwan. Chemical Substances Inventory (TCSI) (See chapter 3)
USA TSCA Inventory	All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)

SECTION 16. Other information

Full text of H-Statements

H225 Highly flammable liquid and vapor.
H226 Flammable liquid and vapor.
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.

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.
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