



Safety Data Sheet

Sabutol Bottoms

Version 1.01

Revision Date 07.09.2023

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

Product identifier

Trade name Sabutol Bottoms

Product code 2061

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

Use Industrial solvent.

Manufacturer or supplier's details

Company Sasol Chemicals, a division of Sasol South Africa Ltd
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Sandton
2090
South Africa

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+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

Classification	Flammable liquids	Category 3
	Acute oral toxicity	Category 4
	Acute inhalation toxicity	Category 4
	Skin irritation	Category 2
	Serious eye damage	Category 1
	Specific target organ toxicity - single exposure (Respiratory system)	Category 3

Label elements

REGULATION (EC) No 1272/2008

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Hazard pictograms :



Signal word : Danger

Hazard statements :

- H226 Flammable liquid and vapour.
- H302 + H332 Harmful if swallowed or if inhaled.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.

Precautionary statements

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P264 Wash the contact area thoroughly after handling.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting equipment.

P243 Take precautionary measures against static discharge.

P242 Use non-sparking tools.

Response

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

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

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

P304 + P340 + P317 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help.

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.

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.

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SECTION 3. Composition/information on ingredients

HAZARDOUS INGREDIENTS

Mixed Pentanol Isomers

Contents: ≥ 30.00 - < 45.00 %W/W

CAS-No. 30899-19-5

Index-No. 603-006-00-7

EC-No. 250-378-8

Hazard statements H226 H332 H335

1-pentanol

Contents: ≥ 25.00 - < 40.00 %W/W

CAS-No. 71-41-0

Index-No. 603-200-00-1

EC-No. 200-752-1

Hazard statements H315 H226 H332 H335

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 H335 H315 H318 H336

Hexanols

Contents: ≥ 10.00 - ≤ 30.00 %W/W

CAS-No. 25917-35-5

Index-No.

EC-No. 247-346-0

Hazard statements H302

Cyclopentanol

Contents: ≥ 5.00 - ≤ 15.00 %W/W

CAS-No. 96-41-3

Index-No.

EC-No. 202-504-8

Hazard statements H226 H302 H332 H315 H319 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. 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. If symptoms persist, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.
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	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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 vapours or spray mist. Ensure adequate ventilation. Keep away from sources of ignition - No smoking.
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
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eyes. Keep away from sources of ignition - No smoking.

Advice on protection against fire and explosion Use explosion-proof equipment. Provide sufficient air exchange and/or exhaust in work rooms. Keep away from open flames, hot surfaces and sources of ignition.

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

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
BUTAN-1-OL	STEL	150 mg/m ³	1995	South Africa RELs
N-BUTYL ALCOHOL	STEL	50 ppm	1995	South Africa RELs
BUTAN-1-OL				

Exposure controls

Engineering measures

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

Personal protective equipment

Respiratory protection Respirator with a vapour filter (EN 141)

Hand protection Gloves suitable for permanent contact.:
 Material: nitrile rubber/nitrile latex
 Break through time: > 8 h
 Material thickness: 0.35 mm

Unsuitable gloves
 Material: natural rubber/natural latex, polychloroprene, butyl-rubber, Polyvinylchloride

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



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Odour	Alcohol-like
Odour Threshold	No data available.
pH	Not applicable.
Melting point/freezing point	No data available.
Boiling point/boiling range	130.3 - 172.2 °C
Flash point	48 °C; closed cup
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Auto-ignition temperature	No data available.
Lower explosion limit	1.2 %(V)
Upper explosion limit	10 %(V)
Vapour pressure	No data available.
Relative vapour density	No data available.
Density	0.829 g/cm ³ ; 20 °C
Water solubility	Partly soluble
Partition coefficient: n-octanol/water	No data available.
Viscosity, dynamic	4.61 mPa.s; 20 °C

SECTION 10. Stability and reactivity

Reactivity	Stable under recommended storage conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None known.
Conditions to avoid	Heat, flames, sparks and other combustion sources.
Materials to avoid	Oxidizing agents. Reducing agents. Acids and bases
Hazardous decomposition products	No decomposition if stored normally.

SECTION 11. Toxicological information

Skin irritation	1-pentanol: Causes skin irritation.
Skin irritation	n-Butanol: Rabbit: Irritating; OECD Test Guideline 404 GLP: no; (literature value)
Eye irritation	1-pentanol: Highly irritating
Eye irritation	n-Butanol: Rabbit: Irritating GLP: no; (literature value)
Sensitisation	1-pentanol: Does not cause skin sensitisation.
Carcinogenicity	No data available.
Mutagenicity	No data available. No data available.;
Toxicity for reproduction	No human information is available. Did not show teratogenic effects in animal experiments.

SECTION 12. Ecological information

Toxicity to fish	n-Butanol: flow-through test; Pimephales promelas; 96 h; LC50; 1,730 mg/l;
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Toxicity to daphnia and other aquatic invertebrates	GLP: no; (literature value) n-Butanol: static test; Daphnia magna; 48 h; EC50; 1,983 mg/l; GLP: no; (literature value)
Toxicity to bacteria	No data available.
Toxicity to fish	No data available.
Chronic toxicity in aquatic invertebrates	No data available.
Biodegradability	1-pentanol: No data available.
Biodegradability	n-Butanol: aerobic; activated sludge of a predominantly domestic sewage; 3 mg/l; 92 %; 20 d; Readily biodegradable.; GLP: no; (literature value)
Physico-chemical removability	No data available.

SECTION 13. Disposal considerations

Product	In accordance with local and national regulations.
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. (Hexanols, pentanols)

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

ADNR	
UN number:	1987
Class:	3
Packaging group:	III; F1
Proper shipping name:	ALCOHOLS, N.O.S.



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

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 Chemical Substances	All chemical constituents are listed in: New Zealand Inventory of Chemical Substances (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. IECSC - Inventory of Existing Chemical Substances in China	All chemical constituents are listed in: China. IECSC - Inventory of Existing Chemical Substances in China (See chapter 3)
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)



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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.

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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