



Safety Data Sheet

Pentylol

Version 1.04

Revision Date 08.12.2025

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

Product identifier

Trade name Pentylol

Product code 2060

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

Use Mining Frother. Solvent. Industrial use.

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)
+86 400 120 6011 (China)
+65 3158 1074 (Asia Pacific)
+27 (0)17 610 4444 (South Africa)
0800 112 890 RSA-Local only
+61 (2) 8014 4558 (Australia)

SECTION 2. Hazards identification

Safety Data Sheet

Pentylol

Version 1.04

Revision Date 08.12.2025

Classification of the substance or mixture

GHS Classification

SS 586 : Part 2: Specification for Hazard Communication for Hazardous Chemicals and Dangerous Goods, Part 2 : Globally harmonized system of classification and labelling of chemicals - Singapore's adaptations

Classification	Flammable liquids	Category 3
	Acute inhalation toxicity	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.
H332 Harmful if inhaled.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Precautionary Statements

:

Prevention:
P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P243 Take action to prevent static discharges.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P264 Wash the contact area thoroughly after handling.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P271 Use only outdoors or in a well-ventilated area.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
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.
P301 + P317 + P330 IF SWALLOWED: Get medical help. Rinse mouth.
P304 + P340 + P317 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/



Safety Data Sheet

Pentylol

Version 1.04

Revision Date 08.12.2025

attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage:

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

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

Mixed Pentanol Isomers

Contents: 32.00 - 43.00 %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: 28.00 - 35.00 %W/W

CAS-No. 71-41-0

Index-No. 603-200-00-1

EC-No. 200-752-1

Hazard Statements *H315 H226 H332 H335*

butan-1-ol

Contents: 3.20 - 7.90 %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*

cyclopentanol

Contents: 5.00 - 10.00 %W/W

CAS-No. 96-41-3

Index-No.

EC-No. 202-504-8



Safety Data Sheet

Pentylol

Version 1.04

Revision Date 08.12.2025

Hexanols

Contents: 13.00 - 17.00 %W/W

CAS-No. 25917-35-5

Index-No.

Hazard Statements *NA*

EC-No. 247-346-0



Safety Data Sheet

Pentylol

Version 1.04

Revision Date 08.12.2025

For the full text of the H-Statements mentioned in this Section, see Section 16.

Other data Mixed Pentanol Isomers CASRN 30899-19-5 represent CASRN 6032-29-7, CASRN 137-32-6 and CASRN 123-51-3

SECTION 4. First aid measures

Description of necessary first-aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapors. 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	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

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 vapors or spray



Safety Data Sheet

Pentylol

Version 1.04

Revision Date 08.12.2025

	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 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

Ingredients with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
n-Butanol	PEL (short term)	152 mg/m ³ 50 ppm	2006-02-28 2006-02-28	Singapore. Workplace Safety and Health Act - Singapore. Workplace Safety and Health Act -
	PEL (short term)			

Exposure controls

Engineering measures

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

Personal protective equipment

Respiratory protection Respirator with a vapor filter (EN 141)

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



Safety Data Sheet

Pentylol

Version 1.04

Revision Date 08.12.2025

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	No information available.
Odor Threshold	No data available
pH	No data available
Melting point/ range	-106 °C
Boiling point/boiling range	124 °C; ASTM D86
Flash point	43 °C; ASTM D 93; closed cup;
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Autoignition temperature	No data available
Auto ignition temperature	345 °C
Decomposition Temperature	No data available
Lower explosion limit	1.4 %(V)
Upper explosion limit	16.0 %(V)
Vapor pressure	3.4 hPa; 20 °C
Relative vapor density	No data available
Density	0.8 g/cm ³ ; 20 °C; ASTM D4052
Water solubility	partly soluble
Partition coefficient: n-octanol/water	No data available
Viscosity, kinematic	4.9 mm ² /s; 20 °C; ASTM D7042

SECTION 10. Stability and reactivity

Reactivity

Stable under recommended storage conditions.



Safety Data Sheet

Pentylol

Version 1.04

Revision Date 08.12.2025

Chemical stability	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Heat, flames and sparks.
Materials to avoid	Oxidizing agents. Reducing agents. Acids and bases
Hazardous decomposition products	Carbon oxides

SECTION 11. Toxicological information

Acute oral toxicity	Acute toxicity estimate : 100 mg/kg; Calculation method;
Skin irritation	butan-1-ol: Rabbit: irritating; OECD Test Guideline 404 GLP: no; (literature value)
Eye irritation	butan-1-ol: Rabbit: irritating GLP: no; (literature value)
Carcinogenicity	No data available
Mutagenicity	butan-1-ol: Ames test: Salmonella typhimurium; with and without; Not mutagenic; OECD Test Guideline 471; GLP: no; (literature value)

SECTION 12. Ecological information

Toxicity to fish	butan-1-ol: flow-through test; Pimephales promelas; 96 h; LC50; 1,730 mg/l; GLP: no; (literature value)
Toxicity to daphnia and other aquatic invertebrates	butan-1-ol: static test; Daphnia magna; 48 h; EC50; 1,983 mg/l; GLP: no; (literature value)
Toxicity to fish	No data available
Biodegradability	butan-1-ol: 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
Other adverse effects	No data available

SECTION 13. Disposal considerations

Safety Data Sheet

Pentylol

Version 1.04

Revision Date 08.12.2025

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: 1993

Class: 3

Packaging group: III; F1;

Proper shipping name: FLAMMABLE LIQUID, N.O.S.
(Hexanols, pentanols)

RID

UN number: 1993

Class: 3

Packaging group: III; F1

Proper shipping name: FLAMMABLE LIQUID, N.O.S.
(Hexanols, pentanols)

IMDG

UN number: 1993

Class: 3

EmS: F-E, S-E

Packaging group: III

Proper shipping name: FLAMMABLE LIQUID, N.O.S.
(Hexanols, pentanols)

Marine pollutant



Safety Data Sheet

Pentylol

Version 1.04

Revision Date 08.12.2025

ICAO/IATA

UN number : 1993
Class: 3
Packaging group: III
Proper shipping name: FLAMMABLE LIQUID, N.O.S.
(Hexanols, pentanols)

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Alkyl/cyclo (C4-C5) alcohols
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)
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)



Safety Data Sheet

Pentylol

Version 1.04

Revision Date 08.12.2025

Taiwan. Chemical Substances Inventory (TCSI)

All chemical constituents are listed in: Taiwan. Chemical Substances Inventory (TCSI) (See chapter 3)

SECTION 16. Other information

Full text of H-Statements

- H226 Flammable liquid and vapor.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- 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.

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.