



Safety Data Sheet

n-Propanol

Version 1.03

Revision Date 30.08.2021

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

Product identifier

Trade name	n-Propanol
Synonyms	1-Propanol, Hydroxypropane, 1-Propyl alcohol, Ethyl carbinol, n-Propan-1-ol, n-Propyl alcohol.
Product code	2044
CAS-No.	71-23-8

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

Use 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 2 Shenton way #06-01 SGX Centre 1 068804 Singapore
Telephone	+65 6533 8856
E-mail address	info.sg@sasol.com



Safety Data Sheet

n-Propanol

Version 1.03

Revision Date 30.08.2021

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)

+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

Standards for classification and labeling of chemical substances and material safety data sheet (ministry of employment and labor public notice No. 2016-19) (GHS 2011)

Classification

Flammable liquids	Category 3
Acute toxicity (Oral)	Category 4
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity - single exposure	Category 3

GHS label elements

Print Date 30.08.2021

100000000473

2/15

Safety Data Sheet

n-Propanol

Version 1.03

Revision Date 30.08.2021

Hazard pictograms



Signal word

:

Warning

Hazard statements

:

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H319 Causes serious eye irritation.
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/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 Wash the contact area thoroughly after handling.
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:
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

Safety Data Sheet

n-Propanol

Version 1.03

Revision Date 30.08.2021

P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P331 Do NOT induce vomiting.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

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

Storage:

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

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

P405 Store locked up.

Disposal:

P501 Dispose of contents and container according to wastes control act.

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.

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

n-Propanol

Version 1.03

Revision Date 30.08.2021

SECTION 3. Composition/information on ingredients

Substance

Propan-1-ol

Contents: 99.90 %W/W

CAS-No. 71-23-8

Index-No. 603-003-00-0

EC-No. 200-746-9

Hazard statements *H225 H302 H319 H335*

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

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. Call a physician immediately.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before re-use. If skin irritation persists, call a physician.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

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.

Safety Data Sheet

n-Propanol

Version 1.03

Revision Date 30.08.2021

Most important symptoms/effects, acute and delayed

Refer to SECTION 11

SECTION 5. Firefighting measures

Suitable extinguishing media	Water spray. Alcohol-resistant foam. Dry chemical. Carbon dioxide.
Unsuitable extinguishing media	No information available.
Special hazards arising from the substance or mixture	Flash back possible over considerable distance. Vapours may form explosive mixtures with air.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

SECTION 6. Accidental release measures

Personal precautions	Keep people away from and upwind of spill/leak. Remove all sources of ignition. Do not breathe vapours or spray mist. Ensure adequate ventilation.
Environmental precautions	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. Do not flush into surface water or sanitary sewer system.



Safety Data Sheet

n-Propanol

Version 1.03

Revision Date 30.08.2021

Methods for cleaning up Soak up with inert absorbent material and dispose of as hazardous waste.

Reference to other sections Refer to Section 8 and 13

SECTION 7. Handling and storage

Safe handling advice Provide sufficient air exchange and/or exhaust in work rooms. Wear personal protective equipment. Take precautionary measures against static discharges. Ensure all equipment is electrically grounded before beginning transfer operations.

Advice on protection against fire and explosion Keep away from open flames, hot surfaces and sources of ignition. Use explosion-proof equipment.

Temperature class T1

Requirements for storage areas and containers Keep container tightly closed in a dry and well-ventilated place. Keep away from heat. Keep away from direct sunlight.

Advice on common storage Keep containers tightly closed in a cool, well-ventilated place.

SECTION 8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
------------	------	--------------------	--------	-------

Safety Data Sheet

n-Propanol

Version 1.03

Revision Date 30.08.2021

State of matter	Liquid; at 20 ° C; 1,013 hPa
Colour	Colourless
Odour	Alcohol-like
Odour Threshold	No data available
pH	7
Melting point/range	-126.2 ° C
Boiling point/boiling range	97.2 ° C
Flash point	26 ° C; closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Auto-ignition temperature	371 ° C
Decomposition Temperature	No data available
Lower explosion limit	2.1 %(V)
Upper explosion limit	13.5 %(V)
Vapour pressure	27.998 hPa; 25 ° C
Relative vapour density	2.1
Density	0.805 g/cm ³ ; 20 ° C
Water solubility	Completely miscible
Partition coefficient: n-octanol/water	No data available
Viscosity, dynamic	2.170 mPa.s; 40 ° C

Safety Data Sheet

n-Propanol

Version 1.03

Revision Date 30.08.2021

SECTION 10. Stability and reactivity

Reactivity	Stable under recommended storage conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Conditions to avoid	Extremes of temperature and direct sunlight. Heat, flames and sparks.
Materials to avoid	Strong oxidizing agents Incompatible with acids. Halogenated compounds
Hazardous decomposition products	Carbon oxides

SECTION 11. Toxicological information

Acute oral toxicity	Propan-1-ol: LD50 Oral : > 2,000 mg/kg; (literature value)
Acute oral toxicity	Butan-2-ol: LD50 Oral Rat: male 2,054 mg/kg; (literature value)
Acute inhalation toxicity	Propan-1-ol: LC50 Rat: male and female; 4 h; vapour; 13548 ppm; GLP: yes; (literature value)
Acute dermal toxicity	Propan-1-ol: LD50 Dermal Rabbit: male; 6,730 mg/kg; (literature value)
Skin irritation	Propan-1-ol:

Safety Data Sheet

n-Propanol

Version 1.03

Revision Date 30.08.2021

	Rabbit: Not irritating; Draize Test (literature value)
Eye irritation	Propan-1-ol: Rabbit: Highly irritating 24 - 72 h; (literature value)
Mutagenicity	Propan-1-ol: Ames test: Salmonella typhimurium; Not mutagenic; (literature value)

SECTION 12. Ecological information

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	Propan-1-ol: static test; Daphnia magna (Water flea); 48 h; EC50; 3,644 mg/l(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).

Safety Data Sheet

n-Propanol

Version 1.03

Revision Date 30.08.2021

SECTION 13. Disposal considerations

Product	In accordance with local and national regulations. Do not contaminate ponds, waterways or ditches with chemical or used container. The product should not be allowed to enter drains, water courses or the soil.
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:	1274
Class:	3
Packaging group:	III; F1;
Proper shipping name:	n-PROPANOL

RID

UN number:	1274
Class:	3

Safety Data Sheet

n-Propanol

Version 1.03

Revision Date 30.08.2021

Packaging group: III; F1

Proper shipping name: n-PROPANOL

IMDG

UN number: 1274

Class: 3

EmS: F-E, S-D

Packaging group: III

Proper shipping name: n-PROPANOL

Marine pollutant Not a Marine Pollutant

ICAO/IATA

UN number : 1274

Class: 3

Packaging group: III

Proper shipping name: n-PROPANOL

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code n-Propanol
Pollution Category: Y
Ship Type: 3

SECTION 15. Regulatory information



Safety Data Sheet

n-Propanol

Version 1.03

Revision Date 30.08.2021

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)

SECTION 16. Other information

Full text of H-Statements

Print Date 30.08.2021

100000000473

14/15



Safety Data Sheet

n-Propanol

Version 1.03

Revision Date 30.08.2021

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

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.