

n-Propyl Acetate

1. Chemical product and company identification

Trade name : n- Propanol Acetate
Synonyms : n-Propyl acetate, 1- Propyl acetate, Propyl ester
Product code : 2502
Use : Solvent, raw material for cosmetic agents, For industrial use only

Manufacturer / Supplier / Distributor Information

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2. HAZARDS IDENTIFICATION

Identification of the risks

R11 : Highly Flammable
R36 : Irritating to eyes
R66 : Repeated exposure may cause skin dryness or cracking
R67 : Vapours may cause drowsiness and dizziness.

3. COMPOSITION / INFORMATION ON INGREDIENTS

n-Propyl Acetate
Contents : 100.00 % W/W

CAS-No : 109-60-4 Index-No. :607-024-00-6 EC-No. : 203-686-1
Symbol(s) : F, Xi R-phrases) -R11- R36 -R66- R67

For the full text of the R-phrase mentioned in this Section, see Section 16

4. FIRST AID MEASURES

General advice : When symptoms persist or in all cases of doubt seek medical advice

Inhalation : Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. Monitoring breathing, get medical attention immediately.

DISCLAIMER

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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 physical
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.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Water spray, Alcohol-resistant foam, Dry chemical, Carbon dioxide (CO ₂)
Extinguishing media which shall not be used for safety reasons	: No information available.
Specific hazards during firefighting	: Flash back possible over considerable distance
Special protective equipment for firefighters	: Wear self-contained breathing apparatus and protective suit.
Further information	: Cool containers/ tanks with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	: Keep people away from and upwind of spill/ leak. Remove all sources of ignition. Do not breath vapours or spray mist. Material can create slippery conditions.
Environmental precautions	: Should not be released into the environment. Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	: Soak up with inert absorbent material and dispose of as hazardous waste.

7. HANDLING AND STORAGE

Handling	
Safe handling advice	: Provide sufficient air exchange and/or exhaust in work rooms. Wear personal protective equipment. Ensure all equipments is electrically grounded before beginning transfer operations. Take precautionary measures against static discharges.
Advice on protection against fire and explosion	: Keep away from heat and sources of ignition. Use explosion- proof equipment.

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Storage

Requirements for storage areas and containers

: Keep containers tightly closed in a dry, cool and well- ventilated place.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Components with workplace control parameter

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
N-PROPYL ACETATE	TWA	840 mg/m ³	1995	South Africa RELs
	TWA	200 ppm	1995	South Africa RELs
	STEL	1,050 mg/m ³	1995	South Africa RELs
	STEL	250 ppm	1995	South Africa RELs

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
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Engineering measures

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

Personal protective equipment

Respiratory protection : In case of sufficient ventilation, wear suitable respiratory 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.

Protective measures : Wear suitable protective equipment.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid
State of matter	: Liquid; at 20 deg C; 1,013 hPa
Colour	: Colourless
Odour	: Like fruit
pH	: 7
Melting point/range	: -92.5 deg C
Boiling point/ boiling range	: 101.6 deg C
Flash point	: 14 deg C; Closed cup
Autoignition temperature	: 450 deg C
Lower explosion limit	: 2 % (V)
Upper explosion limit	: 8 % (V)
Vapour pressure	: 47.863 hPa; 25 deg C
Density	: 0.836 g/cm ³
Water Solubility	: Insoluble
Partition coefficient n- octano/water	: log Pow: 1.23
Relative vapour density	: 3.5 (Air= 1.0)

10. STABILITY AND REACTIVITY

Materials to avoid	: Strong oxidizing agents, Incompatible with acids, halogenated compounds
Hazardous decomposition products	: Carbon oxides
Hazardous reactions	: Hazardous polymerisation does not occur.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50 rat: 9,370 mg/kg;
Acute inhalation toxicity	: LC50 rat: 8,000 mg/l; 8 h;
Skin irritation	: Moderate skin irritation
Eye irritation	: Moderate eye irritation
Sensitization	: No data available
Carcinogenicity	: Not classifiable as a human human carcinogen

12. ECOLOGICAL INFORMATION

Bioaccumulation	: No data available
Ecotoxicity effects	
Toxicity to fish	: LC50 Pimephales promelas: 60 mg/l; 96 h;

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Toxicity to daphnia and other aquatic invertebrates

: LC50 Daphnia magna: 511 mg/l; 96 h; literature value.

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.

Contaminated packaging

: Do not burn, or use a cutting torch on, the empty drum., triple rinse containers., Can be offered for recycling, re-conditioning or puncture

14. TRANSPORT INFORMATION

ADR

: UN number: 1276; Class 3; packaging group: II; F1;
Description of the goods: n-PROPANOL ACETATE

RID

: UN number: 1276; Class 3; packaging group: II; F1;
Description of the goods: n-PROPANOL ACETATE

ADNR

: UN number: 1276; Class 3; packaging group: II; F1;
Description of the goods: n-PROPHYL ALCOHOL ACETATE

IMDG

: UN number: 1276; Class 3; EmS: F-E, S-D packaging group: II; F1; Description of the goods: PROPANOL ACETATE

ICAO/ IATA

: UN number: 1276; Class 3; Packaging Group: II; F1;
Description of the goods: n-propyl acetate

15. REGULATORY INFORMATION

Labelling



Regulatory base Symbol(s)

: 67/548/EEC
: F: Highly flammable
Xi: Irritant

R-phrases(s)

R11: Highly Flammable
R36: Irritating to eyes
R66: Repeated exposure may cause skin dryness or cracking
R67: vapours may cause drowsiness and dizziness

S-phrase(s)

S 16: Keep away from sources of ignition- No smoking
S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S 29: Do not empty into drains.
S 33: Take precautionary measures against static discharges.

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16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R11	Highly flammable.
R36	Irritating to eyes.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

All reasonable efforts were exercised to compile this SDS in accordance with ISO 11014 and ANSIZ400.1.1993. The SDS provides information regarding the health, safety and environmental hazards, at the date of issue, to facilitate the safe receipt, use and handling of the product in the workplace. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which the 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 the 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 as regards 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 the product.

Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy or assume any liability for the incompleteness of the information contained herein or any advice given. The product is sold and risk passes in accordance with the specific terms and conditions of sale.

The MSDS was created by: F. SHAI

The MSDS was approved by: M. HUYSER