

Revision Date 16-Apr-2012

Revision Number 3

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Description: n-Propyl acetate
Reach Registration Number 01-2119484620-39
Cat No. 158290000; 158290010; 158290025; 158290100
Synonyms 1-Propyl Acetate.; Acetic Acid N-Propyl Ester

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

Recommended Use Laboratory chemicals
Uses advised against No Information available

Details of the supplier of the safety data sheet

Company

Acros Organics BVBA
 Janssen Pharmaceuticaaan 3a
 2440 Geel, Belgium

E-mail address begel.sdsdesk@thermofisher.com

Emergency Telephone Number

For information in the US, call: 001-800-ACROS-01
 For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99
 Emergency Number, US: 001-201-796-7100

CHEMTREC Phone Number, US: 001-800-424-9300
 CHEMTREC Phone Number, Europe: 001-703-527-3887

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Serious Eye Damage/Eye Irritation	Category 2
Specific target organ systemic toxicity (single exposure)	Category 3
Flammable liquids.	Category 2

Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16

Symbol(s) 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 - Vapors may cause drowsiness and dizziness

n-Propyl acetate

Revision Date 16-Apr-2012

SECTION 2. HAZARDS IDENTIFICATION

Label Elements



Signal Word

Danger

Hazard Statements

H336 - May cause drowsiness or dizziness
 H319 - Causes serious eye irritation
 H225 - Highly flammable liquid and vapor
 EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary Statements - EU (§28, 1272/2008)

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
 P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
 P240 - Ground/Bond container and receiving equipment

Other Hazards

No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	EC-No.	Weight %	CAS-No	67/548/EEC Classification	CLP Classification - Regulation (EC) No 1272/2008	REACH No.
n-Propyl acetate 109-60-4	EEC No. 203-686-1	>95	109-60-4	F; R11 Xi; R36 R66 R67	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)	01-2119484620-39

n-Propyl acetate

Revision Date 16-Apr-2012

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16

SECTION 4. FIRST AID MEASURES**Description of first aid measures****Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Obtain medical attention.

Ingestion

Clean mouth with water. Get medical attention.

Inhalation

Remove from exposure, lie down. Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention.

Notes to Physician

Treat symptomatically

SECTION 5. FIRE-FIGHTING MEASURES**Extinguishing media****Suitable Extinguishing Media**

Water spray. Carbon dioxide (CO₂). Dry chemical. Use water spray to cool unopened containers. chemical foam.

Extinguishing media which must not be used for safety reasons

Water may be ineffective.

Special hazards arising from the substance or mixture

Flammable. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated.

Advice for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Environmental precautions

Prevent further leakage or spillage if safe to do so

n-Propyl acetate
Revision Date 16-Apr-2012
Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Do not let this chemical enter the environment.

SECTION 7. HANDLING AND STORAGE
Precautions for Safe Handling

Avoid contact with skin and eyes. Do not breathe dust. Do not breathe vapors or spray mist. Do not ingest. Use only in area provided with appropriate exhaust ventilation. Use explosion-proof equipment. Use only non-sparking tools.

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Keep away from heat and sources of ignition. Flammables area.

Specific End Uses
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Control parameters
Exposure limits
Component
n-Propyl acetate

European Union	The United Kingdom	France	Belgium	Spain
	STEL: 250 ppm 15 min STEL: 1060 mg/m ³ 15 min TWA: 200 ppm 8 hr TWA: 849 mg/m ³ 8 hr	VME: 200 ppm 8 heures. VME: 840 mg/m ³ 8 heures.	TWA: 200 ppm 8 uren TWA: 847 mg/m ³ 8 uren STEL: 250 ppm 15 minuten STEL: 1055 mg/m ³ 15 minuten	VLA-EC: 250 ppm 15 minutos VLA-EC: 1060 mg/m ³ 15 minutos VLA-ED: 200 ppm 8 horas VLA-ED: 849 mg/m ³ 8 horas

Component
n-Propyl acetate

Italy	Germany	Portugal	The Netherlands	Finland
	MAK: 100 ppm 8 Stunden. MAK: 420 mg/m ³ 8 Stunden. Peak: 200 ppm Peak: 840 mg/m ³	STEL: 250 ppm 15 minutos TWA: 200 ppm 8 horas		TWA: 100 ppm 8 tunteina TWA: 420 mg/m ³ 8 tunteina STEL: 200 ppm 15 minuutteina STEL: 850 mg/m ³ 15 minuutteina

n-Propyl acetate

Revision Date 16-Apr-2012

Component
n-Propyl acetate

Austria	Denmark	Switzerland	Poland	Norway
STEL: 100 ppm 15 Minuten STEL: 420 mg/m ³ 15 Minuten TWA: 100 ppm 8 Stunden TWA: 420 mg/m ³ 8 Stunden Ceiling: 100 ppm Ceiling: 420 mg/m ³	TWA: 150 ppm 8 timer TWA: 625 mg/m ³ 8 timer	STEL: 200 ppm 15 Minuten STEL: 840 mg/m ³ 15 Minuten MAK: 100 ppm 8 Stunden MAK: 420 mg/m ³ 8 Stunden	NDSCh: 400 mg/m ³ 15 minutach NDS: 200 mg/m ³ 8 godzinach	TWA: 100 ppm 8 timer TWA: 420 mg/m ³ 8 timer STEL: 150 ppm 15 minutter. STEL: 525 mg/m ³ 15 minutter.

Component
n-Propyl acetate

Bulgaria	Croatia	Ireland	Cyprus	Czech Republic
	TWA: 200 ppm 8 satima. TWA: 849 mg/m ³ 8 satima. STEL: 250 ppm 15 minutama. STEL: 1060 mg/m ³ 15 minutama.	TWA: 200 ppm 8 hr. TWA: 840 mg/m ³ 8 hr. STEL: 250 ppm 15 min STEL: 1050 mg/m ³ 15 min		TWA: 800 mg/m ³ 8 hodinách. Ceiling: 1000 mg/m ³

Component
n-Propyl acetate

Estonia	Gibraltar	Greece	Hungary	Iceland
		STEL: 250 ppm STEL: 1050 mg/m ³ TWA: 200 ppm TWA: 840 mg/m ³	STEL: 840 mg/m ³ 15 percekben. TWA: 840 mg/m ³ 8 órában. potential for cutaneous absorption	TWA: 150 ppm 8 klukkustundum. TWA: 625 mg/m ³ 8 klukkustundum. Ceiling: 300 ppm Ceiling: 1250 mg/m ³

Component
n-Propyl acetate

Latvia	Lithuania	Luxembourg	Malta	Romania
TWA: 200 mg/m ³	TWA: 100 ppm TWA: 420 mg/m ³ STEL: 200 ppm STEL: 800 mg/m ³			TWA: 96 ppm 8 ore TWA: 400 mg/m ³ 8 ore STEL: 144 ppm 15 minute STEL: 600 mg/m ³ 15 minute

Component
n-Propyl acetate

Russia - TWA	Slovak Republic	Slovenia	Sweden	Turkey
MAC: 200 mg/m ³	100 420	TWA: 100 ppm 8 urah TWA: 420 mg/m ³ 8 urah STEL: 100 ppm 15 minutah STEL: 420 mg/m ³ 15 minutah	STV: 200 ppm 15 minuter STV: 800 mg/m ³ 15 minuter LLV: 100 ppm 8 timmar. LLV: 400 mg/m ³ 8 timmar.	

Biological limit values

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

n-Propyl acetate
Revision Date 16-Apr-2012
Exposure controls
Engineering Measures

Use explosion-proof electrical/ventilating/lighting/equipment Ensure that eyewash stations and safety showers are close to the workstation location

Personal protective equipment
Eye Protection

Goggles

Hand Protection

Protective gloves

Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure

Respiratory Protection

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls

No information available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES
--

Physical State

Liquid

Appearance

Colorless

odor

sweet

pH

No information available.

Vapor Pressure

33 mbar @ 20 °C

Vapor Density

3.5 (Air = 1.0)

Viscosity

0.58 mPa s at 20 °C

Boiling Point/Range

102°C / 215.6°F @ 760 mmHg

Melting Point/Range

-95°C / -139°F

Flash Point

10°C / 50°F

Autoignition Temperature

450°C / 842°F

Explosion Limits
Lower

1.8 Vol%

Upper

8 Vol%

Water Solubility

2g/100ml (20°C)

Specific Gravity

0.880

Molecular Formula

C5 H10 O2

Molecular Weight

102.13

SECTION 10. STABILITY AND REACTIVITY

Reactivity
Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions
Hazardous Polymerization

Hazardous polymerization does not occur.

Hazardous Reactions .

No information available.



n-Propyl acetate

Revision Date 16-Apr-2012

Conditions to Avoid

Keep away from open flames, hot surfaces and sources of ignition, Excess heat, Incompatible products, Exposure to moist air or water.

Incompatible Materials

Acids, Bases, Strong oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity

Component Information

Component
n-Propyl acetate

LD50 Oral	LD50 Dermal	LC50 Inhalation
9370 mg/kg (Rat)	17760 mg/kg (Rabbit)	

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product

Sensitization No information available.
Mutagenic Effects No information available.
Reproductive Effects No information available.
Developmental Effects No information available.
Target Organs No information available.
Other Adverse Effects The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.
Endocrine Disruptor Information None known

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity effects Do not empty into drains

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
n-Propyl acetate		56-64 mg/L LC50 96 h		318 mg/L EC50 = 24 h

n-Propyl acetate

Revision Date 16-Apr-2012

Persistence and degradability

No information available

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

Results of PBT and vPvB assessment**Other adverse effects**

No information available

SECTION 13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Waste from Residues / Unused Products**

Dispose of in accordance with local regulations

Contaminated Packaging

Empty containers should be taken to local recyclers for disposal

SECTION 14. TRANSPORT INFORMATION**IMDG/IMO**

UN-No	1276
Hazard Class	3
Packing Group	II
Proper Shipping Name	PROPYL ACETATE

ADR

UN-No	1276
Hazard Class	3
Packing Group	II
Proper Shipping Name	n-PROPYL ACETATE

IATA

UN-No	1276
Hazard Class	3
Packing Group	II
Proper Shipping Name	n-PROPYL ACETATE

n-Propyl acetate

Revision Date 16-Apr-2012

SECTION 14. TRANSPORT INFORMATION

SECTION 15. REGULATORY INFORMATION

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

International Inventories

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
n-Propyl acetate	203-686-1	-		X	X	-	X	X	X	X	X

Legend

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- CHINA** - China Inventory of Existing Chemical Substances
- AICS** - Inventory of Chemical Substances
- KECL** - Existing and Evaluated Chemical Substances

Chemical Safety Assessment

SECTION 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 - Vapors may cause drowsiness and dizziness

Revision Date 16-Apr-2012
 Revision Summary
 Reason for revision (M)SDS sections updated, 1, 2.
 This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006



n-Propyl acetate

Revision Date 16-Apr-2012

SECTION 16. OTHER INFORMATION

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet