

FINOPONT SEPARATOR Separating Agent**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

FINOPONT SEPARATOR Separating Agent

REF 19014

Further trade names

ISOPROPYL ALCOHOL

Product group: Alkohole
CAS No: 67-63-0
Index No: 603-117-00-0
EC No: 200-661-7
UFI: EFNP-U1Q7-U00E-CJRR

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Separating Agent

1.3. Details of the supplier of the safety data sheet

Company name: FINO GmbH
Street: Mangelsfeld 18
Place: D-97708 Bad Bocklet
Telephone: +49-97 08-90 94 20
e-mail: info@fino.com
Contact person: Joachim Mahlmeister
e-mail: info@fino.com
Responsible Department: This number can only be reached during our office hours, Monday to Friday from 8 a.m. to 5 p.m.

Telefax: +49-97 08-90 94 21

Internet: www.fino.com

Telephone: +49-97 08-90 94 20

1.4. Emergency telephone number:

+49-89-1 92 40
POISON CENTER München
24 hour(s) 7 day(s)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GB CLP Regulation**

Flam. Liq. 2; H225
Asp. Tox. 1; H304
Skin Irrit. 2; H315
Eye Irrit. 2; H319
STOT SE 3; H336
Aquatic Chronic 1; H410

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

propan-2-ol; isopropyl alcohol; isopropanol

Signal word: Danger**Pictograms:**

Hazard statements

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H304	May be fatal if swallowed and enters airways.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents/container to an appropriate recycling or disposal facility.

Additional advice on labelling

The product is classified and labelled according to EC directives or corresponding national laws.
 Classification according to Regulation (EC) No 1272/2008 [CLP]

2.3. Other hazards

Narcotic effects

SECTION 3: Composition/information on ingredients
3.2. Mixtures
Chemical characterization

Wax in light oil (contains solvents)

Sum formula:	C ₃ H ₈ O
Molecular weight:	60,10

Hazardous components

CAS No	Chemical name	Quantity
	EC No	Index No
		REACH No
	Classification (GB CLP Regulation)	
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	25-50%
	200-661-7	603-117-00-0
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
90622-57-4	Alkanes, C9-12-isoalkanes	25-50 %
	292-459-0	
	Flam. Liq. 3, Asp. Tox. 1, Aquatic Chronic 4; H226 H304 H413	

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
67-63-0	200-661-7	propan-2-ol; isopropyl alcohol; isopropanol	25-50% %
		dermal: LD50 = 12800 mg/kg; oral: LD50 = 5050 mg/kg	
90622-57-4	292-459-0	Alkanes, C9-12-isoalkanes	25-50 %
		oral: LD50 = >10000 mg/kg	

Further Information

none

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove contaminated, saturated clothing immediately.

After inhalation

Provide fresh air.

Seek medical attention if problems persist.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

In case of skin irritation, consult a physician.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

After ingestion

Rinse mouth immediately and drink plenty of water.

Do NOT induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂), Extinguishing powder, Foam, Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide, Carbon monoxide

5.3. Advice for firefighters

Wear full chemical protective clothing. In case of fire: Wear self-contained breathing apparatus.

Additional information

none

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Use personal protection equipment.

Keep away from unprotected people. Keep upwind.

Remove all sources of ignition.

Provide adequate ventilation.

Avoid contact with eyes and skin.

For non-emergency personnel

Emergency procedures

Remove persons to safety. Remove victim out of the danger area.

The danger areas must be delimited and identified using relevant warning and safety signs.

For emergency responders

Use personal protection equipment.

The usual precautionary measures are to be adhered to when handling chemicals.

6.2. Environmental precautions

Do not allow to enter sewers/surface or ground water.

6.3. Methods and material for containment and cleaning up**For containment**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
Provide adequate ventilation.

For cleaning up

Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Dispose contaminated material as waste according to item 13.
See protective measures under point 7 and 8.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.
Take precautionary measures against static discharges.
Vapours may form explosive mixtures with air.

Advice on general occupational hygiene

The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and after work.
Take off immediately all contaminated clothing.
When using do not eat or drink.
Avoid contact with eyes and skin.
Do not breathe gas/vapour/aerosol.

Further information on handling

No special handling advices are necessary.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Recommended storage temperature of 10°C up to °C 25.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Store in cool, dry conditions in well sealed receptacles.
Keep container in a well-ventilated place.
Protect against frost.

Betriebssicherheitsverordnung (BetrSichV)

7.3. Specific end use(s)

Separating Agent

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

Additional advice on limit values

The lists valid during the making were used as basis.

8.2. Exposure controls

Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

Individual protection measures, such as personal protective equipment
Eye/face protection

Tightly sealed safety glasses.

Hand protection

Butyl caoutchouc (butyl rubber) solvent resistant gloves.

Breakthrough times and swelling properties of the material must be taken into consideration.

The precise time of rupture can be found out from the manufacturer of the protective gloves and must be observed.

Suitable material: CR (polychloroprene, chloroprene rubber)

Skin protection

Lab coat.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Filter type: AX for low boiling substances of group 1 may be used at a maximum pollutant concentration in breathable air of 100 ml/m³ (0,01 Vol.-%) max. 40 min and of 500 ml/m³ (0,05 Vol.-%) max. 20 min.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	whitish / cloudy
Odour:	Alcohol

Test method
Changes in the physical state

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	82 °C
Softening point:	not applicable
Flash point:	13 °C

Flammability

Solid/liquid:	not determined
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Explosive properties

Product is not explosive.

However, formation of explosive air/vapour mixtures are possible.

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Lower explosion limits:	2,0 vol. %
Upper explosion limits:	12,0 vol. %
Auto-ignition temperature:	425 °C
Self-ignition temperature	
Solid:	Product is not selfigniting.
Decomposition temperature:	not determined
pH-Value:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic: (at 20 °C)	89 mm ² /s DIN 53211/4
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.
Partition coefficient n-octanol/water:	not determined
Vapour pressure: (at 20 °C)	43 hPa
Density (at 20 °C):	0,77 g/cm ³
Relative vapour density:	not determined

9.2. Other information**Information with regard to physical hazard classes**

Sustaining combustion: No data available

Other safety characteristics

Solvent separation test: No data available

Solvent content: No data available

Solid content: not applicable

Evaporation rate: not determined

Further Information**SECTION 10: Stability and reactivity****10.1. Reactivity**

No information available.

10.2. Chemical stability

No decomposition if used and stored according to specifications.

10.3. Possibility of hazardous reactionsResponse: Oxidizing agent , Alkali metals
Gases/vapours, toxic**10.4. Conditions to avoid**

No decomposition if used according to specifications.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No dangerous decomposition products known.

Further information

none

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation
Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	oral	LD50 mg/kg	5050	Rat	
	dermal	LD50 mg/kg	12800	Rabbit	
90622-57-4	Alkanes, C9-12-isoalkanes				
	oral	LD50 mg/kg	>10000		GESTIS

Irritation and corrosivity

Causes skin irritation.
 Causes serious eye irritation.
 Irritant for skin and mucous membranes.
 Causes serious eye irritation.

Sensitising effects

Based on available data, the classification criteria are not met.
 May cause sensitization by inhalation.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.
 No additional indications for carcinogenic or mutagenic impacts and effects toxic for reproduction.

STOT-single exposure

May cause drowsiness or dizziness. (propan-2-ol; isopropyl alcohol; isopropanol)
 May cause drowsiness or dizziness.

STOT-repeated exposure

Based on available data, the classification criteria are not met.
 Based on our experiences and information the product does not cause harmful health effects if handled according to specifications and used according to indications.

Aspiration hazard

May be fatal if swallowed and enters airways.
 Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

Toxicological analyses are not available.

Additional information on tests

none

Practical experience

No special references.

11.2. Information on other hazards
Other information

No special precautionary measures.

SECTION 12: Ecological information
12.1. Toxicity

Don't let flow into the ground water, in waters or the sewage system undiluted resp. in larger quantities.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute fish toxicity	LC50 mg/l	9640	96 h		
	Acute crustacea toxicity	EC50 mg/l	1400	48 h		

12.2. Persistence and degradability

none Evidence exists for biodegradation processes.

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	0,05

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Further information

Water hazard class slightly hazardous to water

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Disposal recommendations

Dispose according to legislation.

List of Wastes Code - residues/unused products

070104 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; other organic solvents, washing liquids and mother liquors; hazardous waste

List of Wastes Code - used product

070104 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; other organic solvents, washing liquids and mother liquors; hazardous waste

Contaminated packaging

Non-contaminated packages may be recycled. Dispose of waste according to applicable legislation.

SECTION 14: Transport information
Land transport (ADR/RID)

14.1. UN number or ID number:	UN 1993
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (propan-2-ol; isopropyl alcohol; isopropanol)
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3

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Classification code:	F1
Special Provisions:	274 601 640H
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	33
Tunnel restriction code:	D/E

Inland waterways transport (ADN)

14.1. UN number or ID number:	UN 1993
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (propan-2-ol; isopropyl alcohol; isopropanol)
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3



Classification code:	F1
Special Provisions:	274 601 640H
Limited quantity:	5 L
Excepted quantity:	E1

Marine transport (IMDG)

14.1. UN number or ID number:	UN 1993
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (propan-2-ol; isopropyl alcohol; isopropanol)
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3



Special Provisions:	223, 274, 955
Limited quantity:	5 L
Excepted quantity:	E1
EmS:	F-E, S-E

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	UN 1993
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (propan-2-ol; isopropyl alcohol; isopropanol)
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3



Special Provisions:	A3
Limited quantity Passenger:	10 L
Passenger LQ:	Y344
Excepted quantity:	E1
IATA-packing instructions - Passenger:	355
IATA-max. quantity - Passenger:	60 L
IATA-packing instructions - Cargo:	366

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IATA-max. quantity - Cargo:

220 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Warning: Flammable liquids

14.7. Maritime transport in bulk according to IMO instruments

No special precautionary measures.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40

2010/75/EU (VOC): none

2004/42/EC (VOC): none

Additional information

The product is classified and labelled according to EC directives or corresponding national laws. Classification according to Regulation (EC) No 1272/2008 [CLP]

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

Additional information

No further data.

Betriebssicherheitsverordnung (BetrSichV)

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 7,15.

* Daten gegenüber Vorversion geändert

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IATA: International Air Transport Association

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

DNEL: Derived No-Effect Level (REACH)

IBC-Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk.

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No Observed Adverse Effect Level

PBT: Persistent, Bioaccumulative and Toxic

PNEC: Predicted No-Effect Concentration (REACH)

vPvB: very Persistent and very Bioaccumulative

CAS: Chemical Abstracts Service (division of the American Chemical Society)

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Flam. Lig. 2: Flammable liquids, Hazard Category 2

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Separating Agent	-	22	0	10	8a	0	-	15

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)