

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

FINO QUICK Separating Agent

REF 10864 / 10863

Further trade names

C11-15-ISOALKANES

UFI:

KR2Y-U0CV-M004-7AHX

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

Separating Agent

Auxiliary for dental technology

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	Telefax: +49-97 08-90 94 21
e-mail:	info@fino.com	Internet: www.fino.com
Contact person:	Joachim Mahlmeister	Telephone: +49-97 08-90 94 20
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.	

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**

Asp. Tox. 1; H304

Full text of hazard statements: see SECTION 16.

Classification according to Regulation (EC) No 1272/2008 [CLP]

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

C11-C15 Iso alkanes

Signal word: Danger**Pictograms:****Hazard statements**

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P102	Keep out of reach of children.
P280	Wear protective gloves.
P301+P310	IF SWALLOWED: Immediately call a doctor.
P331	Do NOT induce vomiting.

P405 Store locked up.
 P501 Dispose of contents/container to an appropriate recycling or disposal facility.

Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

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

This substance does not meet the criteria for classification as PBT or vPvB.
 This material is combustible, but will not ignite readily.
 Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

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

Mixture from the below listed substances with harmless additives.

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
90622-58-5	C11-C15 Iso alkanes			>30%
	292-460-6			
	Asp. Tox. 1; H304			

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		
90622-58-5	292-460-6	C11-C15 Iso alkanes	>30% %
	oral: LD50 = >2000 mg/kg		

Further Information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.
 The fraction of aliphatic, alicyclic and aromatic hydrocarbons is < 10 %.

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

Remove affected person from the danger area and lay down.
 In case of irregular respiration or respiratory arrest apply artificial respiration.

After inhalation

Provide fresh air.
 If unconscious but breathing normally, place in recovery position and seek medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.
 Change contaminated, saturated clothing.
 In case of skin irritation, consult a physician.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Do NOT induce vomiting.
Rinse mouth thoroughly with water.
Call a physician immediately.

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

IF INHALED: Dizziness, Dizziness
IF SWALLOWED: Lung irritation
IF SWALLOWED: Pneumonia

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

Treat symptomatically.

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

Carbon dioxide (CO₂), Extinguishing powder, Water spray jet
In case of major fire and large quantities: Water spray jet, alcohol resistant foam

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.
Do not inhale explosion and combustion gases.
Use water spray jet to protect personnel and to cool endangered containers.

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

Use personal protection equipment.
Keep unprotected persons away.

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

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. 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).
Take up mechanically.

For cleaning up

Collect in closed and suitable containers for disposal.
Wash contaminated clothing before reuse.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Treat the recovered material as prescribed in the section on waste disposal. Disposal: see section 13

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

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. Wear personal protection equipment (refer to section 8).

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

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

Wash hands before breaks and after work.

Keep away from food, drink and animal feedingstuffs.

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

Store in cool, dry conditions in well sealed receptacles.

Hints on joint storage

Do not mix with: Cleaning agent

Keep away from: Oxidizing agent

Further information on storage conditions

Suitable container/equipment material: Metal

Suitable floor material: solvent-resistant

7.3. Specific end use(s)

Separating Agent

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Additional advice on limit values**

CAS No. 90622-58-5

TRGS 900 occupational exposure limit value 600 mg/m³

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.

Technical measures and the application of suitable work processes have priority over personal protection equipment.

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

Suitable eye protection: Eye glasses with side protection

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Wear suitable gloves.

Recommended material: NR (natural rubber, Natural latex), CR (polychloroprene, chloroprene rubber), NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber), FKM (fluoro rubber), PVC (polyvinyl chloride)

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

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

Physical state:	Liquid
Colour:	white
Odour:	weak distinctive
Odour threshold:	not applicable
Changes in the physical state	
Melting point/freezing point:	<0 °C
Boiling point or initial boiling point and boiling range:	>175 °C
Softening point:	No data available
Pour point:	No data available
Flash point:	>62 °C
Lower explosion limits:	7,00 vol. %
Upper explosion limits:	0,60 vol. %
Decomposition temperature:	No data available
Viscosity / kinematic:	<20,5 mm ² /s
Water solubility:	Immiscible
Dissolution rate:	No data available
Relative density:	0,8
Relative vapour density:	No data available

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

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.2. Chemical stability

Stable at standard application conditions.

10.3. Possibility of hazardous reactions

Product can form vapour/gas mixtures that are able to explode.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.

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.

ATEmix tested

	Dose	Species	Source
LD50, oral	5000 mg/kg		
LD50, dermal	5000 mg/kg		
LC50, inhalation (vapour)	5 mg/l		

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
90622-58-5	C11-C15 Iso alkanes				
	oral	LD50 >2000 mg/kg			

Irritation and corrosivity

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

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

Aspiration hazard

May be fatal if swallowed and enters airways.

Specific effects in experiment on an animal

No data available

Additional information on tests

No data available

SECTION 12: Ecological information
12.2. Persistence and degradability

The single components are biodegradable.

12.3. Bioaccumulative potential

Does not accumulate in organisms.

12.4. Mobility in soil

No data 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.

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.

12.7. Other adverse effects

No data available

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

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Do not allow to enter into surface water or drains.

List of Wastes Code - residues/unused products

130310 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste insulating and heat transmission oils; other insulating and heat transmission oils; hazardous waste

List of Wastes Code - used product

130310 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste insulating and heat transmission oils; other insulating and heat transmission oils; hazardous waste

Contaminated packaging

Contaminated packages must be completely emptied and can be re-used following proper cleaning.
Non-contaminated packaging can be supplied to a recycling system.

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

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

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

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions: Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

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

Additional information

- National regulations
- TRGS 400
- TRGS 401
- TRGS 500
- Berufsgenossenschaftliche Vorschriften (DGUV-Vorschriften)

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): 1.

Abbreviations and acronyms

- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- "IATA-DGR: Dangerous Goods Regulations by the ""International Air Transport Association"" (IATA)"
- ICAO: International Civil Aviation Organization
- "ICAO-TI: Technical Instructions by the ""International Civil Aviation Organization"" (ICAO)"
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- PBT: Persistent, Bioaccumulative and Toxic
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent

Relevant H and EUH statements (number and full text)

- H304 May be fatal if swallowed and enters airways.
- EUH066 Repeated exposure may cause skin dryness or cracking.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. 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.)