

Safety Data Sheet

according to UK REACH Regulation

and Annex II to Regulation (EU) No.2008/878

XONOL RV30

Revision date: 02.02.2024

Product code: XON000013

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

1.1. Product identifier

XONOL RV30

UFI: FTTH-565Y-PA1R-2MX5

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

Use of the substance/mixture

Metalworking cooling and lubricating fluids, chlorine-free.

1.3. Details of the supplier of the safety data sheet

Company name:	Hiessl Schmiertechnik GmbH		
Street:	Am See 16		
Place:	D- 72663 Grossbettingen		
Telephone:	+49 (0)7022-244423-0	Telefax:	+49 (0)7022-244423-20
e-mail:	info@hiessl.de		
Contact person:	Jürgen Hiessl	Telephone:	+49 (0)7022-244423-10
e-mail:	info@hiessl.de		
Internet:	www.hiessl.de		
Responsible Department:	Department of Quality Assurance, Safety and Environmental Protection		

1.4. Emergency telephone number:

Accessible during office between 8:00 am to 4:30 pm.

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.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Hydrocarbons C10-C13, n-alkanes, isoalkanes, <2% aromatics

Signal word: Danger

Pictograms:



Hazard statements

May be fatal if swallowed and enters airways.

Precautionary statements

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

Do NOT induce vomiting.

Store locked up.

Dispose of contents/container to the disposer.

2.3. Other hazards

Prevent from entering sewers or surface and ground water. Do not allow uncontrolled leakage of product into the environment.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of the substances listed below and non-hazardous additions.

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
185857-36-7	Hydrocarbons C10-C13, n-alkanes, isoalkanes, <2% aromatics			70 %
	940-726-3		01-2120083063-63	
	Asp. Tox. 1; H304			
9003-13-8	Polypropylene glycol monobutyl ether			15 - < 20 %
	500-003-1			
98679-19-7	Amine neutralised phosphoric acid ester			< 1 %
	308-859-6			
	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1; H302 H314 H400			

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	
185857-36-7	940-726-3	Hydrocarbons C10-C13, n-alkanes, isoalkanes, <2% aromatics	70 %
		dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg	
9003-13-8	500-003-1	Polypropylene glycol monobutyl ether	15 - < 20 %
		dermal: LD50 = >8000 mg/kg; oral: LD50 = >2000 mg/kg	
98679-19-7	308-859-6	Amine neutralised phosphoric acid ester	< 1 %
		oral: LD50 = 2000 mg/kg	

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated clothing immediately and dispose off safely.

After inhalation

In case of inhalation of aerosols/spray mist/splash spots: Consult physician.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Seek medical attention if problems persist.

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

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Seek medical attention if problems persist.

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

No further relevant information available.

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

Harmful: may cause lung damage if swallowed.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry extinguishing powder. Foam. Carbon dioxide (CO₂). Water spray. Water fog.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Nitrogen oxides (NO_x). Carbon monoxide Phosphorus oxides. Soot and other organic products.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Cool containers at risk with water jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Avoid inhalation of vapours, fog, aerosols. Do not breathe gas/fumes/vapour/spray. Personal precautions Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up

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

6.4. Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid building up of oil fog and do not spill ventilate the working place sufficiently. Keep container tightly closed in a cool and dry place. When using do not eat, drink or smoke.

Advice on protection against fire and explosion

Use only in well-ventilated areas.

Advice on general occupational hygiene

Do not inhale vapours. Do not eat, drink, smoke or sneeze at the workplace. Take off immediately all contaminated clothing. Wash hands before breaks and after work.

Further information on handling

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

7.2. Conditions for safe storage, including any incompatibilities

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Requirements for storage rooms and vessels

Shafts and sewers must be protected from entry of the product. No ground outlets on containers.

Hints on joint storage

Do not store together with: Oxidizing agents.

Further information on storage conditions

Keep away from food, drink and animal feedingstuffs.

Protect against: frost.

7.3. Specific end use(s)

For additional information, please refer to our technical data sheet

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

Hydrocarbon solvent, dearom., CAS no. 185857-36-7

Hydrocarbon mixtures, fractions (RCP group): C10-C14 aliphates

AGW-RCP-METHOD 300 mg / m³

8.2. Exposure controls

Individual protection measures, such as personal protective equipment

Eye/face protection

Use safety goggles in case of spraying danger

Hand protection

Hand protection: not required.

Skin protection

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

Respiratory protection

Respiratory protection necessary at: insufficient ventilation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	light blue
Odour:	characteristic

Test method

Changes in the physical state

Flash point:	>70 °C	DIN 51376
Lower explosion limits:	0,5 vol. %	
Upper explosion limits:	5 vol. %	
Auto-ignition temperature:	228 °C	DIN 51794
Viscosity / kinematic: (at 20 °C)	4 mm ² /s	DIN 51562

Solubility in other solvents

Soluble in: white-spirit. Petroleum.

Vapour pressure: (at 20 °C)	1,1 hPa
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Density (at 15 °C):

0,800 g/cm³

9.2. Other information

Other safety characteristics

Evaporation rate:

n.b

Further Information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactions with strong oxidizing agents.

10.2. Chemical stability

Stable as long as they are properly stored (item 7) and are compatible with most other products in original sealed containers. The product is chemically stable under normal ambient conditions (room temperature).

10.3. Possibility of hazardous reactions

No decomposition when used properly.

10.4. Conditions to avoid

Avoid the formation of aerosol.

10.5. Incompatible materials

Oxidizing agents, strong.

10.6. Hazardous decomposition products

No decomposition when used properly.

SECTION 11: Toxicological information

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

Toxicocinetics, metabolism and distribution

Toxicological data are not available.

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
185857-36-7	Hydrocarbons C10-C13, n-alkanes, isoalkanes, <2% aromatics				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >5000 mg/kg	Rabbit		
9003-13-8	Polypropylene glycol monobutyl ether				
	oral	LD50 >2000 mg/kg	Rat.	Lieferanten - SDB	
	dermal	LD50 >8000 mg/kg	Rabbit.	Lieferanten - SDB	
98679-19-7	Amine neutralised phosphoric acid ester				
	oral	LD50 2000 mg/kg	Rat.		

Irritation and corrosivity

Irritant effect on the skin: Frequently or prolonged contact with skin may cause dermal irritation.

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Sensitising effects

Sensibilization eye: May cause sensitization in susceptible people.

Sensibilization skin: May cause sensitization in susceptible people.

Carcinogenic/mutagenic/toxic effects for reproduction

Longterm experiments do not indicate carcinogenic effects.

STOT-repeated exposure

Frequently or prolonged contact with skin may cause dermal irritation.

Additional information on tests

The statement is derived from the properties of the single components.

Further information

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

SECTION 12: Ecological information

12.1. Toxicity

Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
185857-36-7	Hydrocarbons C10-C13, n-alkanes, isoalkanes, <2% aromatics					
	Acute fish toxicity	LL50 mg/l	>100	96 h	Fish	
	Acute algae toxicity	ErC50 mg/l	>100	96 h	Seaweed	
	Acute crustacea toxicity	EL50 mg/l	>100	48 h	Daphnia magna (Big water flea)	
98679-19-7	Amine neutralised phosphoric acid ester					
	Acute fish toxicity	LC50	1-10 mg/l	96 h	Brachydanio rerio	

12.2. Persistence and degradability

The product is hardly water- miscible. Can be eliminated from water to a large extend by means of abiotic processes e.g. mechanical seperator. Evidence exists of biological decomposition processes.

12.3. Bioaccumulative potential

On the basis of existing data about disposal/decomposition and bio-accumulation potential, long term environmental damage is unlikely.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
185857-36-7	Hydrocarbons C10-C13, n-alkanes, isoalkanes, <2% aromatics	4,5-7

12.4. Mobility in soil

Product is easily volatile. The test was carried out in a closed test system.

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

Do not allow uncontrolled leakage of product into the environment.

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Further information

The product behaves like mineral oil and is not water-soluble. Prevent from entering soil, water courses and sewers.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Hand over to officially registered waste disposal company.

List of Wastes Code - used product

120107 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; mineral-based machining oils free of halogens (except emulsions and solutions); hazardous waste

Contaminated packaging

Contaminated packaging must be emptied well - after respective cleaning it can be used for recycling purposes. Packaging that cannot be cleaned has to be disposed of similar to the material. Cleaned containers may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:

./.

14.2. UN proper shipping name:

No dangerous good in sense of these transport regulations.

14.3. Transport hazard class(es):

not applicable

Inland waterways transport (ADN)

14.1. UN number or ID number:

./.

14.2. UN proper shipping name:

No dangerous good in sense of these transport regulations.

14.3. Transport hazard class(es):

not applicable

Marine transport (IMDG)

14.1. UN number or ID number:

./.

14.2. UN proper shipping name:

No dangerous good in sense of these transport regulations.

14.3. Transport hazard class(es):

not applicable

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:

./.

14.2. UN proper shipping name:

No dangerous good in sense of these transport regulations.

14.3. Transport hazard class(es):

not applicable

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Danger releasing substance: nie

14.6. Special precautions for user

See also Section 7, Handling and Storage, for special precautions users need to know or be aware of as part of shipping regulations.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

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Restrictions on use (REACH, annex XVII):

Entry 3

2004/42/EC (VOC): 70 % (557,9 g/l)

Additional information

Observe the instructions of the Mineral Oil Commercial Association concerning precautions when handling liquid mineral oil products and lubricants.

National regulatory information

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

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Asp. Tox. 1; H304	Calculation method

Relevant H and EUH statements (number and full text)

Harmful if swallowed.
May be fatal if swallowed and enters airways.
Causes severe skin burns and eye damage.
Very toxic to aquatic life.

Further Information

The above information is the result of our quality check and is based on the current state of our knowledge.
However, they do not release the buyer from an initial inspection, since this is not a guarantee of product properties for a specific application and therefore no contractual legal relationship can be established.

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