

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 19.02.2019

XONOL RV33

Product code: XON000006

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

1.1. Product identifier

XONOL RV33

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

Use of the substance/mixture

High-performance thread cutting fluid

1.3. Details of the supplier of the safety data sheet

Company name:	Hiessl Schmiertechnik GmbH	
Street:	Am See 16	
Place:	D- 72663 Grossbettlingen	
Telephone:	+49 (0)7022-244423-0	Telefax: +49 (0)7022-244423-20
Contact person:	Jürgen Hiessl	Telephone: +49 (0)7022-244423-10
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

Regulation (EC) No. 1272/2008

Hazard categories:

Aspiration hazard: Asp. Tox. 1

Hazard Statements:

May be fatal if swallowed and enters airways.

The product has to be labeled in accordance with Regulation (EC) No. 1272/2008 [CLP]

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Alkanes C11-15-iso

Signal word: Danger

Pictograms:



Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P405	Store locked up.
P501	Dispose of contents/container to the disposer.

Special labelling of certain mixtures

Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Prevent from entering sewers or surface and ground water. Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Preparation of substances listed below.

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
90622-58-5	Alkanes C11-15-iso			85 %
	292-460-6			
	Asp. Tox. 1; H304 EUH066			

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

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.

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

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

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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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

When entering surface water, drainage systems or under- ground, inform the local authorities.

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.

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

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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective and hygiene measures

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.

Eye/face protection

Tightly sealed safety glasses.

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

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Changes in the physical state

Flash point:	<100 °C	DIN 51376
Lower explosion limits:	0,6 vol. %	
Upper explosion limits:	6,5 vol. %	
Ignition temperature:	> 260 °C	
Vapour pressure: (at 20 °C)	1,1 hPa	
Density (at 20 °C):	0,775 g/cm ³	
Water solubility:	insoluble	
Viscosity / kinematic: (at 20 °C)	2 mm ² /s	DIN 51562

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactions with strong oxidizing agents. Reacts with strong oxidants.

10.2. Chemical stability

Cooling lubricants are stable, as long as they are properly stored (point 7) and get along in original locked bundles with most other products.

10.3. Possibility of hazardous reactions

No decomposition when used properly. None in case of correct storage/handling/transport.

10.4. Conditions to avoid

Flames, sparks and warmth avoid,

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 toxicological effects

Toxicocinetics, metabolism and distribution

In accordance with the defaults of the raw material manufacturers no realizations over Toxicokinetics, metabolisms and distribution for this product are present.

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
90622-58-5	Alkanes C11-15-iso				
	oral	LD50 mg/kg	>5000	Rat.	

Irritation and corrosivity

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

Sensitising effects

Sensibilization eye: according to the raw material information an sensitization is not likely.

Sensibilization skin: according to the raw material information an sensitization is not likely.

Carcinogenic/mutagenic/toxic effects for reproduction

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Longterm experiments do not indicate carcinogenic effects.

STOT-repeated exposure

Frequently or prolonged contact with skin may cause dermal irritation.

SECTION 12: Ecological information

12.2. Persistence and degradability

Some of the components are biodegradable.

12.3. Bioaccumulative potential

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

12.4. Mobility in soil

Product is easily volatile.

12.5. Results of PBT and vPvB assessment

The PBT properties can not be applied to preparations or mixtures because they are substance-specific.

12.6. Other adverse effects

Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal number of 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: ./.

14.2. UN proper shipping name: No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)

14.1. UN number: ./.

14.2. UN proper shipping name: No dangerous good in sense of these transport regulations.

Marine transport (IMDG)

14.1. UN number: ./.

14.2. UN proper shipping name: No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: ./.

14.2. UN proper shipping name: No dangerous good in sense of these transport regulations.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

2004/42/EC (VOC): 85 % (658,75 g/l)

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

SECTION 16: Other information

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.

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