

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 25.01.2019

XONOL RV
Product code: XON000003

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

1.1. Product identifier

XONOL RV

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

Use of the substance/mixture

High performance metalworking cooling and lubricating 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.

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

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

Prevent from entering sewers or surface and ground water.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Based on dearomatized hydrocarbons and volatile lubricity.

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
90622-58-5	Alkanes C11-15-iso			85-99 %
	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, saturated clothing immediately.

After inhalation

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

After contact with skin

After contact with skin, wash immediately with: Water and soap.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Do NOT induce vomiting. Call a physician immediately.

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

First Aid, decontamination, treatment of symptoms.

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

Soot and other organic products.

5.3. Advice for firefighters

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

Additional information

Use water spray/stream to cool endangered containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothes.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

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6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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). Collect in closed containers for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Further information on handling

Shafts and sewers must be protected from entry of the product.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

No ground outlets on containers. The floor should be leak tight, jointless and not absorbent.

Hints on joint storage

Keep away from: Oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

AGW RCP METHOD 600 mg / m³

CAS No.: 90622-58-5

8.2. Exposure controls

Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. Avoid contact with skin, eyes and clothes. Wash hands before breaks and after work.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Tested protective gloves are to be worn: In case of prolonged or frequently repeated skin contact:

Skin protection

In case of prolonged or frequently repeated skin contact:

Respiratory protection

Not necessary when used in ventilated room. Breathing protection if aerosol or fog build up.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	clear
Odour:	characteristic

Test method

Changes in the physical state

Initial boiling point and boiling range:	180 °C
Flash point:	62 °C DIN 51376
Lower explosion limits:	0,6 vol. %

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Upper explosion limits:	6,5 vol. %
Ignition temperature:	>230 °C
Vapour pressure: (at 20 °C)	1,1 hPa
Density (at 20 °C):	0,780 g/cm ³ DIN 51757
Viscosity / kinematic: (at 20 °C)	1,70 mm ² /s DIN 51562

SECTION 10: Stability and reactivity

10.1. Reactivity

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.

10.4. Conditions to avoid

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.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

No decomposition when used properly.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

No values are known for the product. 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

Frequently or prolonged contact with skin may cause dermal irritation.

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.

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SECTION 12: Ecological information

12.1. Toxicity

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

12.2. Persistence and degradability

Evidence exists of biological decomposition processes.

12.3. Bioaccumulative potential

The bio-accumulation potential is material specific and cannot be mentioned for the mixture.

12.5. Results of PBT and vPvB assessment

The PBT features are material specific and cannot be mentioned for the mixture.

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.

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.

Other applicable information (land transport)

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.

SECTION 15: Regulatory information

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

EU regulatory information

2004/42/EC (VOC): 99 % (757,35 g/l)

National regulatory information

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

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SECTION 16: Other information

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

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

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