

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### **XONOL RV30**

Revision date: 21.01.2019

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

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

#### **Use of the substance/mixture**

High-performance cutting and punching medium 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 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**

Hydrocarbons, C11-C14, iso-alkanes, cyclic, <2% aromatics

**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. 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	
	GHS Classification			
68551-19-9	Hydrocarbons, C11-C14, iso-alkanes, cyclic, <2% aromatics			60-70 %
	271-369-5		01-2119480162-45	
	Asp. Tox. 1; H304			

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 (CO<sub>2</sub>). Water spray. Water fog.

##### Unsuitable extinguishing media

High power water jet.

#### 5.2. Special hazards arising from the substance or mixture

 Nitrogen oxides (NO<sub>x</sub>). 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.

#### **Advice on protection against fire and explosion**

Use only in well-ventilated areas.

#### **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**

#### **Additional advice on limit values**

Hydrocarbons C11-C14, iso-alkanes, cyclene <2% aromatics; Cas number 68551-19-9

AGW RCP METHOD 600 mg / m<sup>3</sup>

### **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**

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.

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## **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: 0,6 vol. %  
Upper explosion limits: 6,5 vol. %  
Ignition temperature: >260 °C DIN 51794  
Vapour pressure: 1,1 hPa  
(at 20 °C)  
Density (at 15 °C): 0,797 g/cm<sup>3</sup>  
Water solubility: The substance is not soluble in water.

#### **Solubility in other solvents**

Soluble in: white-spirit. Petroleum.

Viscosity / kinematic: 4 mm<sup>2</sup>/s DIN 51562  
(at 20 °C)

Evaporation rate: n.b

## **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 toxicological effects**

#### **Toxicokinetics, metabolism and distribution**

Toxicological data are not available.

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#### Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68551-19-9	Hydrocarbons, C11-C14, iso-alkanes, cyclic, <2% aromatics				
	oral	LD50 >5000 mg/kg	Ratte		
	dermal	LD50 >5000 mg/kg	Kaninchen		

#### Irritation and corrosivity

Irritant effect on the skin: 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.

#### Additional information on tests

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

## 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
68551-19-9	Hydrocarbons, C11-C14, iso-alkanes, cyclic, <2% aromatics					
	Acute fish toxicity	LC50 >1000 mg/l	96 h	Oncorhynchus mykiss (Regenbogenforelle)		
	Acute algae toxicity	ErC50 >1000 mg/l	72 h	Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50 >1000 mg/l	48 h	Daphnia magna (Großer Wasserfloh)		

#### 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.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
68551-19-9	Hydrocarbons, C11-C14, iso-alkanes, cyclic, <2% aromatics			
	Biologischer Abbau	31,3	28	

#### 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. The test was carried out in a closed test system.

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### 12.6. Other adverse effects

Do not allow uncontrolled leakage of product into the environment.

### 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

#### Advice on disposal

Hand over to officially registered waste disposal company.

#### 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.

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

## SECTION 16: Other information

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#### **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**

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