

Safety Data Sheet

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

XONOL RV

Revision date: 11.06.2024

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

UFI: P0X3-D0K6-600N-TGH6

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 Grossbettlingen
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

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.

Special labelling of certain mixtures

Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

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Prolonged/repetitive skin contact may cause skin defatting or dermatitis.
Prevent from entering sewers or surface and ground water.
Wassergefährdungsklasse 1 - schwach wassergefährdend

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of dearomatized hydrocarbons.

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			99 %
	940-726-3		01-2120083063-63	
	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		
185857-36-7	940-726-3	Hydrocarbons C10-C13, n-alkanes, isoalkanes, <2% aromatics	99 %
	dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg		

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.

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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

General advice

Avoid contact with skin, eyes and clothes.
Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

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.

Advice on general occupational hygiene

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

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.

Further information on storage conditions

Recommended storage temperature 12-40 °C.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

Hydrocarbon solvent, dearom., CAS no. 185857-36-7
Workplace limit: ARW 200 mg / m³

8.2. Exposure controls

Individual protection measures, such as personal protective equipment

Eye/face protection

Tightly sealed safety glasses.

Hand protection

In case of prolonged or frequently repeated skin contact:

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Suitable material: NBR (nitrile rubber), CR (polychloroprene, chloroprene rubber), PVA (polyvinyl alcohol),
Layer thickness of the glove material: at least 0,7 mm

Skin protection

In case of prolonged or frequently repeated skin contact:

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

Boiling point or initial boiling point and boiling range:	180 °C	
Flash point:	62 °C	DIN 51376
Lower explosion limits:	0,6 vol. %	
Upper explosion limits:	6,5 vol. %	
Auto-ignition temperature:	>230 °C	
pH-Value:	nicht anwendbar	DIN 53996
Viscosity / kinematic: (at 20 °C)	1,70 mm ² /s	DIN 51562
Flow time:	Daten nicht verfügbar	
Water solubility:	unlöslich	
Vapour pressure: (at 20 °C)	1,1 hPa	
Density (at 20 °C):	0,780 g/cm ³	DIN 51757

9.2. Other information

Other safety characteristics

Solvent content: 99 % (757,35 g/l)

Further Information

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.

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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

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
185857-36-7	Hydrocarbons C10-C13, n-alkanes, isoalkanes, <2% aromatics				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >5000 mg/kg	Rabbit		

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.

11.2. Information on other hazards

Endocrine disrupting properties

This product does not contain any substance that has endocrine disrupting properties in humans as no ingredient meets the criteria.

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.

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 >100 mg/l	96 h	Fish		
	Acute algae toxicity	ErC50 >100 mg/l	96 h	Seaweed		
	Acute crustacea toxicity	EL50 >100 mg/l	48 h	Daphnia magna (Big water flea)		

12.2. Persistence and degradability

Evidence exists of biological decomposition processes.

12.3. Bioaccumulative potential

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

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

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.
The PBT features are material specific and cannot be mentioned for the mixture.

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.

Further information

Wassergefährdungsklasse 1 - schwach wassergefährdend

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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.

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.

Other applicable information (land transport)

No dangerous good in sense of these transport regulations.

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.

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.

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.

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

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

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National regulatory information

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

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)

May be fatal if swallowed and enters airways.
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.)