

 ROTHENBERGER	Safety Data Sheet according to 91/155/EC	Reviewed on: 15.12.2003
	RONOL Syn Threading Oil	Art. No.: 6.5015; 6.5016

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Trade name: RONOL Syn Threading Oil 5l

Company: ROTHENBERGER Werkzeuge GmbH
Industriestr. 7
65779 Kelkheim
Tel.: 06195 / 800 1

2. COMPOSITION / INFORMATION OF INGREDIENTS

Composition: Water miscible compound of polyols and additives for protection against corrosion and abrasion.

Hazardous compounds:

CAS-No..	Substance	%	Ident.	R-sets*
--	amine neutralized phosphoric acid ester	<2,5	Xi	36/38

*exact description of R-sets: see item 15

3. HAZARD IDENTIFICATION

Classification: None – if used as directed.

Specific hazards for human health and environment: No compulsory identification required due to the calculation of guide lines of latest the “General rating principles for preparations of the EC” in its issue.

Classification system: The classification corresponds to the current EC-lists, but it is supplemented by information from specialized literature and information provided from the companies.

4. FIRST – AID MEASURES

If inhaled: N/A

On skin contact: Wash off with water and soap. Take off soaked clothing.

On contact with eyes: Rinse eyes thoroughly with plenty of water. Seek medical advice.

After ingestion: Rinse mouth and drink water.

5. FIRE – FIGHTING MEASURES

Extinguishing Media: N/A, as product is not burnable

- Suitable:
- Unsuitable:

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Possible products of combustion: monoxides	Little amounts of nitric oxides, phosphor oxides and carbon possible.
Hazardous combustion products:	Keep away from flames and hot surfaces. No smoking.
Special protective equipment/procedures:	N/A

6. ACCIDENTIAL RELEASE MEASURES

Personal precautions:	Avoid contact with eyes, skin and clothing.
Environmental Precautions:	N/A
Measures for cleaning:	N/A

7. HANDLING AND STORAGE

Handling	Take care of sufficient ventilation at work.
Advice for dealing and for fire and explosion proof:	Avoid contact with skin and eyes. Avoid fog and aerosol formation. No special measurements necessary.
Storage:	
Requirements to storage place and containers:	Observe water protection regulations. Store cool and dry, if possible in original container.
Advice on storage:	Do not store with strong oxidizing agents.
Further information on storage conditions:	Protect from frost and solar insulation.
VbF-class:	N/A

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional advice for the design of technical plants: No further advice; see item 7.

Ingredients with occupational exposure limits to be monitored:

CAS-No.	Name	%	Code	Value	Unit
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Additional advice: Based on lists, valid at time of issue.

Personal protection equipment:

General protection and hygiene measurements:
Change

Observe the normal precautions when handling chemicals.
soaked clothes, avoid linger and intensive skin contact.
Avoid contact with eyes.
Wash hands before breaks and when finishing work.
Protective skin care with skin-care products.

Respiratory protection: Not necessary at well-ventilated rooms.

Hand protection: Use chemical-resistant safety gloves (EN 374).
Suitable materials even at longer, direct contact: (recommended)

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acc. to	protection index 6, corresponding to >480 min. permeation time EN 374). Polyvinylchloride (PVC) – 0,7 mm thickness. Observe manufacturers' instruction.
Additional advice: information of analogy or daily lifetime (e.g. determined	These statements are based on own tests, literature and gloves' manufacturers' or are derived from conclusion of similar products. It must be considered, that, in practice, the of a chemical protection glove is due to many influencing factors (temperature) essentially shorter than the permeation time acc. to EN 374.
Eye protection: and	Safety goggles with side protection, in case of oil fog formation insufficient ventilation.
Body protection:	Industrial safety clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C:	Liquid.
Colour:	Colourless. Can be coloured.
Odour:	Neutral
Changes in physical state at 1013 hPa:	
Melting point:	
Boiling point:	≥ 100°C
Flashpoint:	N/A
Ignition temperature:	N/A
Explosion limits (% vol.):	-upper: -lower:
Vapour Pressure at 20°C (hPa):	
Density at 20 °C (g/cm ³):	1,10
Solubility in Water at 20°C:	soluble
PH-value (10% in water):	7-9
Viscosity at 40°C (mm ² /s):	13,5

10. STABILITY AND REACTIVITY

Hazardous reactions:

Hazardous decomposition products:
carbon

In case of combustion of the dewatered residue formation of monoxide, phosphor oxides and nitric oxides possible.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	
LD50 (oral)/rat:	> 20000 mg/kg (calculated)
LD50 (dermal)/rabbit:	
Eye irritancy:	

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12. ECOLOGICAL INFORMATION

Biological degradability:
by 90%

After 10 days the non-aqueous part can be biologically degraded (spline-shaft test).

Water hazard class VwVwS:

1

13. DISPOSAL CONSIDERATIONS

Waste:

Avoid waste. The product must be disposed according to waste management law in waste combustion dumps.

Waste code acc. to AVV:

12 01 09, halogen-free processing emulsions and solvents.

14. TRANSPORT INFORMATION

Overland transport ADR/RID and GGVs/GGVE (border crossing/internal)

Not classified as hazardous for transport.

Sea transport IMDG/GGVSee

Not classified as hazardous for transport.

Air transport ICAO-Ti and IATA-DGR:

ICAO/TATA-class:

Not classified as hazardous for transport.

Mail (internal):

Allowed.

15. REGULATORY INFORMATION

Labelling in accordance with EC-regulations:

There is no

Observe the usual precautions when handling with chemicals. compulsory identification acc. to EC-regulations required.

R-sets:

36/38 Irritates the eyes and the skin.

S-sets:

National regulations:

Classification acc. To VbF:

N/A

Water hazardous class acc. to VwVwS:

1

16. OTHER INFORMATION

Other information:

None.

Important advice:

All data are based on the current state of knowledge. This safety data sheet is to procure all physical, safety regulating, toxicological and ecological data and recommendations for the use of chemicals substances when storing, applying and during transport. It is to support the protection of humans and environment by correct information. These specific statements for occupational safety are for security officers and safety experts as well as for industrial medics, toxicologists and governmental monitoring bodies. Please, pass this information to the responsible departments.

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