

RONOL Mineral Threading Oil**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

Trade name: RONOL Mineral Threading Oil 5l
RONOL Mineral Threading Oil 210l

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

2. COMPOSITION / INFORMATION OF INGREDIENTS

Composition: Compound of high-boiling hydrocarbon, extreme-pressure additives and none ionic agents.

Hazardous compounds:

Do not contain any hazardous substances above the assessment threshold.

3. HAZARD IDENTIFICATION

Classification: None.

Specific hazards for human health and environment: None.

4. FIRST – AID MEASURES**General advice:**

If inhaled: Fresh air supply.

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: Seek medical advice.

5. FIRE – FIGHTING MEASURES**Extinguishing Media:**

- suitable: Foam, dry powder, carbon dioxide, water mist
- unsuitable: Water jet.

Possible products of combustion/gases: O, small amounts of alkylate mercaptanes and dialcylsulphites possible.

Special protective equipment/procedures: Keep away from flames, hot surfaces and sparking sources.

RONOL Mineral Threading Oil

Art. No.: 6.5010; 6.5011

6. ACCIDENTIAL RELEASE MEASURES

Personal precautions:

Do not inhale fume. Avoid contact with eyes, skin and clothing.

Environmental measures:

cellars or soil.
disposed under
treatment to a

Do not allow to enter into sewerage, lakes and rivers, pits,
In such a case contact the responsible authority. Must be
consideration of the hazardous waste regulations after pre-
hazardous waste incinerator.

Measures for cleaning:

agents (sand,

`Run out substance must be taken up with suitable binding
sawdust etc.). Dispose contaminated material like waste, p 13.

7. HANDLING AND STORAGE

Handling

Storage:

Store at 15-20°C

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.	Substance	Conc.	MAK-Value

Personal protection equipment:

General protection and hygiene measurements:

Change

Observe the normal precautions when handling chemicals.
soaked clothes, avoid longer 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
protection index 6, corresponding to >480 min. permeation time
EN 374).

acc. to

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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C:	Liquid
Colour:	Light brown
Odour:	
Changes in physical state at 1013 hPa:	
Melting point:	N/A
Boiling point:	= 300°C
Flashpoint:	> 190°C
Ignition temperature:	N/A
Explosion limits (% vol.):	-upper: -lower:
Vapour Pressure at 20°C (hPa):	
Density at 20 °C (g/cm ³):	0,88
Solubility in Water at 20°C:	slightly emulsifiable for cleaning
Viscosity at 40°C (mm ² /s):	21

10. STABILITY AND REACTIVITY**Hazardous reactions:****Hazardous combustion products:** Small quantities of alkyl mercaptans and dialkyl sulfides possible.**11. TOXICOLOGICAL INFORMATION**

Acute toxicity:	
LD50 (oral)/rat:	= 4500 mg/kg
LD50 (dermal)/rabbit:	N/A
Eye irritation:	N/A

12. ECOLOGICAL INFORMATION

Biological degradability:	N/A
Water hazard class VwVwS:	2
General advice:	Do not allow to enter into soil, rivers and lakes or sewerage.

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

14. TRANSPORT INFORMATION**Overland transport ADR/RID and GGVS/GGVE (border crossing/internal)**

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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:****R-sets:****S-sets:**

soap.

28 At skin contact wash immediately with plenty of water and

16. OTHER INFORMATION**Other information:****Reasons for amendments:**

91/155/EWG.

New issue of the TRGS 220 together with EC-regulations

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 statement for occupational safety are for security officers and safety experts as well as for industrial medics, toxicologists and governmental monitoring bodies. Please, pass these information to the responsible departments.