

Trade name: RONOL Thread Cutting Oil

Product no.: 65010, 65011, 65010a

Current version : 1.0.0, issued: 06.06.2019

Replaced version: -, issued: -

Region: GB

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

1.1 Product identifier

Trade name

RONOL Thread Cutting Oil

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

Relevant identified uses of the substance or mixture

Metalworking oil

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

ROTHENBERGER Werkzeuge GmbH

Industriestraße 7

65779 Kelkheim

Telephone no. +49 (0) 61 95 / 800 - 1

Fax no. +49 (0) 6195 / 800 - 3500

e-mail info@rothenberger.com

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Aquatic Chronic 3; H412

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms

-

Signal word

-

Hazard statement(s)

H412

Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

P103

Read label before use.

P273

Avoid release to the environment.

P501

Dispose of contents/container to a facility in accordance with local/regional/national/international regulations.

Trade name: RONOL Thread Cutting Oil

Product no.: 65010, 65011, 65010a

Current version : 1.0.0, issued: 06.06.2019

Replaced version: -, issued: -

Region: GB

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Hazardous ingredients**

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration
			%
1	Baseoil - unspecified, Distillates (petroleum), hydrotreated heavy paraffinic		
	64742-54-7 265-157-1 649-467-00-8 -	Asp. Tox. 1; H304	< 100.00 %-b.w.
2	Phenol, isopropylated, phosphate (3:1)		
	68937-41-7 273-066-3 - 01-2119535109-41	Aquatic Chronic 4; H413 Repr. 2; H361fd STOT RE 2; H373o	< 2.50 %-b.w.
3	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol		
	95-38-5 202-414-9 - 01-2119777867-13	Acute Tox. 4; H302 Skin Corr. 1C; H314 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Eye Dam. 1; H318	< 2.50 %-b.w.

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
3	-	-	M = 10	-

No	Route, target organ, concrete effect
2	H361 oral; -, - H373o oral; -, -
3	H373o oral; -, -

SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

Adhere to personal protective measures when giving first aid. Remove contaminated clothing and shoes and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

After inhalation

Ensure supply of fresh air. In case of persisting adverse effects consult a physician.

After skin contact

When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

Trade name: RONOL Thread Cutting Oil

Product no.: 65010, 65011, 65010a

Current version : 1.0.0, issued: 06.06.2019

Replaced version: -, issued: -

Region: GB

After ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if pain still persists.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

Gastrointestinal complaints

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide; Extinguishing powder; Water spray jet; Fight big fire with directed water spray or Alcohol-resistant foam

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO); Nitrogen oxides (NO_x); Sulphur oxides (S_xO_y)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Cool endangered containers with water spray jet. pay attention to backfire. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. High risk of slipping due to leakage/spillage of product.

For emergency responders

Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g., sand, kieselguhr, acid binder, universal binder, sawdust). When picked up, treat material as prescribed under heading "Disposal considerations".

6.4 Reference to other sections

Information regarding safe handling, see chapter 7. Information regarding personal protective measures, see chapter 8. Information regarding waste disposal, see chapter 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far as it is possible by the state of the art. Avoid formation of oil dust.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Do not inhale vapours. Remove soiled or soaked clothing immediately.

Advice on protection against fire and explosion

Take precautionary measures against static charges.

Trade name: RONOL Thread Cutting Oil

Product no.: 65010, 65011, 65010a

Current version : 1.0.0, issued: 06.06.2019

Replaced version: -, issued: -

Region: GB

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

Advice on storage assembly

Substances to be avoided, pls. See chapter 10. Do not store together with: spontaneously combusting substances; Materials in contact with water emit flammable gases.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****DNEL, DMEL and PNEC values****DNEL values (worker)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Phenol, isopropylated, phosphate (3:1)			68937-41-7 273-066-3	
	dermal	Long term (chronic)	systemic	0.416	mg/kg/day
	dermal	Short term (acute)	systemic	2000.00	mg/kg/day
	dermal	Short term (acute)	local	16.00	mg/cm ²
	inhalative	Long term (chronic)	systemic	0.145	mg/m ³
	inhalative	Short term (acute)	systemic	700.00	mg/m ³
2	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol			95-38-5 202-414-9	
	dermal	Long term (chronic)	systemic	0.06	mg/kg/day
	dermal	Short term (acute)	systemic	2	mg/kg/day
	inhalative	Long term (chronic)	systemic	0.46	mg/m ³
	inhalative	Short term (acute)	systemic	14	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Phenol, isopropylated, phosphate (3:1)			68937-41-7 273-066-3	
	oral	Long term (chronic)	systemic	0.04	mg/kg/day
	oral	Short term (acute)	systemic	50.00	mg/kg/day
	dermal	Long term (chronic)	systemic	0.208	mg/kg/day
	dermal	Short term (acute)	systemic	100.00	mg/kg/day
	dermal	Short term (acute)	local	8.00	mg/cm ²
	inhalative	Long term (chronic)	systemic	0.07	mg/m ³
	inhalative	Short term (acute)	systemic	350.00	mg/m ³

Trade name: RONOL Thread Cutting Oil

Product no.: 65010, 65011, 65010a

Current version : 1.0.0, issued: 06.06.2019

Replaced version: -, issued: -

Region: GB

PNEC values

No	Substance name	CAS / EC no
	ecological compartment	Type
		Value
1	Phenol, isopropylated, phosphate (3:1)	68937-41-7 273-066-3
	water	fresh water
	water	marine water
	water	fresh water sediment
	with reference to: dry weight	
	water	marine water sediment
	with reference to: dry weight	
	soil	-
	with reference to: dry weight	
	sewage treatment plant	-
	secondary poisoning	-
	with reference to: dry weight	
2	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	95-38-5 202-414-9
	water	fresh water
	water	marine water
	water	fresh water sediment
	water	marine water sediment
	sewage treatment plant	-

8.2 Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, local exhaust at the work station if necessary.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respiratory filter (gas) : ABEK

Eye / face protection

Safety glasses (EN 166)

Hand protection

In case of intensive contact, wear protective gloves (EN 374). Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material nitrile rubber
 Breakthrough time >= 480 min
 Appropriate Material chloroprene

Other

Chemical-resistant work clothes. Protective shoes.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Colour
liquid
colourless

Trade name: RONOL Thread Cutting Oil

Product no.: 65010, 65011, 65010a

Current version : 1.0.0, issued: 06.06.2019

Replaced version: -, issued: -

Region: GB

Odour	
characteristic	
Odour threshold	
No data available	
pH value	
No data available	
Boiling point / boiling range	
No data available	
Melting point / melting range	
No data available	
Decomposition point / decomposition range	
No data available	
Dropping point	
Value	< -18 °C
Source	supplier
Flash point	
Value	> 190 °C
Source	supplier
Auto-ignition temperature	
Source	supplier
Comments	Product is not selfigniting.
Oxidising properties	
No data available	
Explosive properties	
This product is not explosive. In and after use danger of production of inflammable compounds.	
Flammability (solid, gas)	
No data available	
Lower flammability or explosive limits	
No data available	
Upper flammability or explosive limits	
No data available	
Vapour pressure	
No data available	
Vapour density	
No data available	
Evaporation rate	
No data available	
Relative density	
No data available	
Density	
Value	0.87 g/cm ³
Reference temperature	20 °C
Source	supplier
Solubility in water	
Source	supplier
Comments	insoluble

Trade name: RONOL Thread Cutting Oil

Product no.: 65010, 65011, 65010a

Current version : 1.0.0, issued: 06.06.2019

Replaced version: -, issued: -

Region: GB

Solubility(ies)
No data available

Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	Phenol, isopropylated, phosphate (3:1)	68937-41-7	273-066-3
log Pow		4.92	- 5.17
Source		ECHA	

Viscosity			
Value		21	mm ² /s
Reference temperature		40	°C
Source		supplier	

Solvent content			
Value		0	%

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

Oxidizing agents

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	Phenol, isopropylated, phosphate (3:1)	68937-41-7	273-066-3
LD50		> 5000	mg/kg bodyweight
Species		rat	
Source		ECHA	
2	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	95-38-5	202-414-9
LD50		1265	mg/kg bodyweight
Species		rat	
Method		OECD 401	
Source		ECHA	
Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	Phenol, isopropylated, phosphate (3:1)	68937-41-7	273-066-3
LD50		> 10000	mg/kg bodyweight
Species		rabbit	
Method		EPA 16 CFR 1500.40	
Source		ECHA	

Trade name: RONOL Thread Cutting Oil

Product no.: 65010, 65011, 65010a

Current version : 1.0.0, issued: 06.06.2019

Replaced version: -, issued: -

Region: GB

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	Phenol, isopropylated, phosphate (3:1)	68937-41-7	273-066-3
LC50	>	200	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Source	ECHA		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	Phenol, isopropylated, phosphate (3:1)	68937-41-7	273-066-3
Species	rabbit		
Source	ECHA		
Evaluation	non-irritant		
2	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	95-38-5	202-414-9
Duration of exposure		4	h
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	corrosive		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	Phenol, isopropylated, phosphate (3:1)	68937-41-7	273-066-3
Species	rabbit		
Source	ECHA		
Evaluation	non-irritant		

Respiratory or skin sensitisation			
No data available			

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	Phenol, isopropylated, phosphate (3:1)	68937-41-7	273-066-3
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	Phenol, isopropylated, phosphate (3:1)	68937-41-7	273-066-3
Route of exposure	oral		
Species	rats (male/female)		
Method	OECD 421		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are met.		

Trade name: RONOL Thread Cutting Oil

Product no.: 65010, 65011, 65010a

Current version : 1.0.0, issued: 06.06.2019

Replaced version: -, issued: -

Region: GB

Carcinogenicity			
No data available			
STOT - single exposure			
No data available			
STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	Phenol, isopropylated, phosphate (3:1)	68937-41-7	273-066-3
Route of exposure		oral	
NOEC		<	25 mg/kg
Duration of exposure		13	week/s
Target organ		adrenal gland	
Method		OECD 408	
Source		ECHA	
Effects		May cause damage to organs through prolonged or repeated exposure	
2	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	95-38-5	202-414-9
Route of exposure		oral	
NOAEL		20	mg/kg bw/d
Species		rat	
Target organ		gastro-intestinal tract, thymus	
Method		OECD 422	
Source		ECHA	
Aspiration hazard			
No data available			

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	95-38-5	202-414-9
LC50		0.25	- 0.37
Duration of exposure			96
Species	Danio rerio		mg/l
Method	OECD 203		h
Source	ECHA		
Toxicity to fish (chronic)			
No data available			
Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	95-38-5	202-414-9
EC50			0.163
Duration of exposure			48
Species	Daphnia magna		mg/l
Method	OECD 202		h
Source	ECHA		
Toxicity to Daphnia (chronic)			
No data available			
Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	95-38-5	202-414-9
EC50			0.03
Duration of exposure			72
Species	Desmodesmus subspicatus		mg/l
Method	OECD 201		h
Source	ECHA		

Trade name: RONOL Thread Cutting Oil

Product no.: 65010, 65011, 65010a

Current version : 1.0.0, issued: 06.06.2019

Replaced version: -, issued: -

Region: GB

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	95-38-5	202-414-9
NOEC		0.011	mg/l
Duration of exposure		72	h
Species		Green algae	
Method		OECD 201	
Source		ECHA	

Bacteria toxicity	
No data available	

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	95-38-5	202-414-9
Type		aerobic biodegradation	
Value		1	%
Duration		28	day(s)
Method		OECD 301 B	
Source		ECHA	
Evaluation		not readily biodegradable	

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	95-38-5	202-414-9
BCF		2.57	
Method		QSAR	
Source		ECHA	

Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	Phenol, isopropylated, phosphate (3:1)	68937-41-7	273-066-3
log Pow		4.92	- 5.17
Source		ECHA	

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

12.7 Other information

Other information	
Do not discharge product unmonitored into the environment.	

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Dispose of according to all applicable regulations upon consultation of the local competent authorities and the disposer in a suitable and authorised disposal facility.

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

Trade name: RONOL Thread Cutting Oil

Product no.: 65010, 65011, 65010a

Current version : 1.0.0, issued: 06.06.2019

Replaced version: -, issued: -

Region: GB

SECTION 14: Transport information**14.1 Transport ADR/RID/ADN**

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII.	No 3
---	------

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Trade name: RONOL Thread Cutting Oil

Product no.: 65010, 65011, 65010a

Current version : 1.0.0, issued: 06.06.2019

Replaced version: -, issued: -

Region: GB

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure
H373o	May cause damage to organs through prolonged or repeated exposure if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

Department issuing safety data sheet

UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.
Prod-ID 753798