

Trade name: RONOL Thread Cutting Oil - Spray**Product no.:** 65008**Current version :** 1.0.1, issued: 26.02.2021**Replaced version:** 1.0.0, issued: 06.06.2019**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

RONOL Thread Cutting Oil - Spray**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)**

Aerosol 1; H222

Aquatic Chronic 3; H412

Asp. Tox. 1; H304

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**

GHS02



GHS08

Signal word

Danger

Hazardous component(s) to be indicated on label:

Baseoil - unspecified, Distillates (petroleum), hydrotreated heavy paraffinic

Hazard statement(s)

H222

Extremely flammable aerosol.

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H229 Pressurised container: May burst if heated.
 H304 May be fatal if swallowed and enters airways.
 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.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P211 Do not spray on an open flame or other ignition source.
 P251 Do not pierce or burn, even after use.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P405 Store locked up.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Labelling information

The labelling of an aspiration hazard (Asp. Tox. 1; H304) is not mandatory for aerosols and containers with a sealed spray attachment (Regulation (EC) 1272/2008, Annex 1, 1.3.3).

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		Contains < 3 % DMSO extract (IP 346).
	64742-54-7 265-157-1 649-467-00-8 01-2119484627-25	Asp. Tox. 1; H304	>= 50.00 - < 70.00 wt%
2	butane		
	106-97-8 203-448-7 601-004-00-0 -	Flam. Gas 1A; H220 Press. Gas; H280	>= 5.00 - < 10.00 wt%
3	propane		pls. refer to footnote (1)
	74-98-6 200-827-9 601-003-00-5 -	Flam. Gas 1A; H220 Press. Gas compr.; H280	>= 5.00 - < 10.00 wt%
4	isobutane		
	75-28-5 200-857-2 601-004-00-0 -	Flam. Gas 1A; H220 Press. Gas compr.; H280	>= 5.00 - < 10.00 wt%
5	Phenol, isopropylated, phosphate (3:1)		
	68937-41-7 273-066-3 - 01-2119535109-41	Aquatic Chronic 1; H410 Repr. 2; H361fd STOT RE 2; H373o	< 2.50 wt%
6	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol		
	95-38-5 202-414-9	Acute Tox. 4; H302 Skin Corr. 1C; H314	< 2.50 wt%

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- 01-2119777867-13	STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Eye Dam. 1; H318		
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Full Text for all H-phrases and EUH-phrases: pls. see section 16

(1) Aberrant from/in addition to the classification set out in Annex VI, this substance is classified according to European Regulation (EC) No 1272/2008 (CLP), Article 4 (3), paragraph 2.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	L	-	-	-
2	C, U	-	-	-
6	-	-	M = 10	-

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

No	Route, target organ, concrete effect
5	H373o oral; -; -
6	H373o oral; -; -

Acute toxicity estimate (ATE) values

No	oral	dermal	inhalative
6	1265 mg/kg bodyweight		

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. Remove affected person from danger area, lay him down. Place and transport casualty in stable position (lying sideways).

After inhalation

Ensure supply of fresh air. In case of breathing difficulties give oxygen. If breathing is irregular or stopped, administer artificial respiration. Call a doctor immediately.

After skin contact

In case of contact with skin wash off with water. In case of frostbite, rinse with plenty of water. Do not remove clothing. Seek medical attention.

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.

After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed**Symptoms**

Shortness of breath; Nausea

Effects

Risk of pulmonary oedema. In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

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Suitable extinguishing media

Carbon dioxide; Extinguishing powder; Water spray jet; Fight large fires with directed water spray or Alcohol-resistant foam; Water mist; BC powder

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); Hydrogen sulfide (H₂S); In case of fire: danger of pressure build up, which could result in container rupture.

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Cool endangered containers with water spray jet. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. Closed containers may rupture when exposed to extreme heat.

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. Remove persons to safety. Ensure adequate ventilation. Exclude sources of ignition and ventilate the area. High risk of slipping due to leakage/spillage of product. Do not inhale vapours/aerosols.

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

Ensure adequate ventilation. When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Open and handle container with care.

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. Keep away from sources of ignition - refrain from smoking. Isolate from sources of heat, sparks and open flame. Vapours can form an explosive mixture with air. Vapours can form an explosive mixture with air.

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. Protect from temperatures over 50°C. Protect from heat and direct sunlight.

Recommended storage temperature

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Value < 50 °C

Requirements for storage rooms and vessels

Always keep in containers of same material as the original. Keep container hermetically closed in a dry, cool and well-ventilated place.

Incompatible products

Substances to be avoided, see section 10. Do not store with combustible materials. Do not store together with foodstuffs. Do not store together with oxidizing agents.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	butane	106-97-8	203-448-7
List of approved workplace exposure limits (WELs) / EH40			
Butane			
	WEL short-term (15 min reference period)	1810	mg/m ³ 750 ppm
	WEL long-term (8-hr TWA reference period)	1450	mg/m ³ 600 ppm
	Comments	Carc, (only applies if Butane contains more than 0.1% of buta-1,3-diene)	

DNEL, DMEL and PNEC values**DNEL values (worker)**

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	Baseoil - unspecified, Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7 265-157-1		
	inhalative	Long term (chronic)	local	5.60 mg/m ³
2	Phenol, isopropylated, phosphate (3:1)	68937-41-7 273-066-3		
	dermal	Long term (chronic)	systemic	0.416 mg/kg/day
	dermal	Short term (acut)	systemic	2000.00 mg/kg/day
	dermal	Short term (acut)	local	16.00 mg/cm ²
	inhalative	Long term (chronic)	systemic	0.145 mg/m ³
	inhalative	Short term (acut)	systemic	700.00 mg/m ³
3	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 (acut)	systemic	2 mg/kg/day
	inhalative	Long term (chronic)	systemic	0.46 mg/m ³
	inhalative	Short term (acut)	systemic	14 mg/m ³

DNEL value (consumer)

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	Baseoil - unspecified, Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7 265-157-1		
	inhalative	Long term (chronic)	local	1.20 mg/m ³
2	Phenol, isopropylated, phosphate (3:1)	68937-41-7 273-066-3		
	oral	Long term (chronic)	systemic	0.04 mg/kg/day
	oral	Short term (acut)	systemic	50.00 mg/kg/day
	dermal	Long term (chronic)	systemic	0.208 mg/kg/day
	dermal	Short term (acut)	systemic	100.00 mg/kg/day
	dermal	Short term (acut)	local	8.00 mg/cm ²

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inhalative	Long term (chronic)	systemic	0.07	mg/m ³
inhalative	Short term (acut)	systemic	350.00	mg/m ³

PNEC values

No	Substance name	CAS / EC no
ecological compartment		Type
		Value
1	Baseoil - unspecified, Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7 265-157-1
	secondary poisoning with reference to: food	- 9.33 mg/kg
2	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	0.00031 mg/L 0.000031 mg/L 0.185 mg/kg
	water	marine water sediment
	with reference to: dry weight	0.018 mg/kg
	soil	-
	with reference to: dry weight	2.50 mg/kg
	sewage treatment plant	-
	secondary poisoning with reference to: dry weight	100.00 mg/L 1.85 mg/kg
3	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	-
		0 mg/L 0 mg/L 0.376 mg/kg dry weight 0.038 mg/kg dry weight 0.27 mg/L

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.

Respirator Kombinationsfilter (EN141)

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.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation	
liquid	
Form/Colour	
Aerosol	
colourless	
Odour	
characteristic	
pH value	
No data available	
Boiling point / boiling range	
Value	supplier -44 °C
Source	supplier
Melting point/freezing point	
No data available	
Decomposition temperature	
No data available	
Flash point	
Value	supplier -97 °C
Source	supplier
Ignition temperature	
Value	supplier 365 °C
Source	supplier
Auto-ignition temperature	
Source	supplier
Comments	Product is not selfigniting.
Explosive properties	
This product is not explosive. In and after use danger of production of inflammable compounds.	
Flammability	
highly flammable	
Source	supplier
Lower explosion limit	
Value	supplier 0.9 % vol
Source	supplier
Upper explosion limit	
Value	supplier 7 % vol
Source	supplier
Vapour pressure	
Value	supplier 0.1 hPa
Source	supplier
Relative vapour density	
No data available	
Relative density	
No data available	
Density	
Value	supplier 0.45 g/cm ³
Reference temperature	supplier 20 °C

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Source	supplier
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Solubility in water	
Source	supplier
Comments	partially miscible

Solubility
No data available

Partition coefficient n-octanol/water (log value)			
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	22 mm ² /s
Reference temperature	40 °C
Source	supplier

Solvent content	
Value	19.7 %

Particle characteristics
No data available

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

Risk of formation of explosive gas mixtures in air.

10.4 Conditions to avoid

Temperatures > 50°C. Heat, naked flames and other ignition sources. Protect from sun.

10.5 Incompatible materials

strong oxidizing agents; Strong reducing agents

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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		

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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		
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 data available			
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.		
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		

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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

11.2 Information on other hazards**Endocrine disrupting properties**

No data available.

Other information

No data available.

SECTION 12: Ecological information**12.1 Toxicity**

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	Phenol, isopropylated, phosphate (3:1)	68937-41-7	273-066-3
LC50		10.8	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Source	ECHA		
2	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	95-38-5	202-414-9
LC50	0.25	- 0.37	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Method	OECD 203		
Source	ECHA		

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	Phenol, isopropylated, phosphate (3:1)	68937-41-7	273-066-3
EC50		2.44	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	ECHA		
2	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	95-38-5	202-414-9
EC50		0.163	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)

No	Substance name	CAS no.	EC no.
1	Phenol, isopropylated, phosphate (3:1)	68937-41-7	273-066-3

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NOEC	0.041	mg/l
Duration of exposure	21	day(s)
Species	Daphnia magna	
Method	OECD 211	
Source	ECHA	

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	Phenol, isopropylated, phosphate (3:1)	68937-41-7	273-066-3
EC50	>	2.5	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
2	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	95-38-5	202-414-9
EC50		0.03	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

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	Phenol, isopropylated, phosphate (3:1)	68937-41-7	273-066-3
Type	aerobic biodegradation		
Value		17.9	%
Duration		28	day(s)
Method	OECD 301 D		
Source	ECHA		
Evaluation	not readily biodegradable		
2	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 (log value)			
No	Substance name	CAS no.	EC no.
1	Phenol, isopropylated, phosphate (3:1)	68937-41-7	273-066-3

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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 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information**Other information**

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable 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

Compressed gas packaging under pressure. Do not open by force. Do not heat above 50°C. Dispose of compressed gas packagings only if completely discharged. Do not burn empty compressed gas packagings. Do not pierce, cut or weld uncleaned containers.

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

Class	2
Classification code	5F
UN number	UN1950
Proper shipping name	AEROSOLS
Tunnel restriction code	D
Label	2.1

14.2 Transport IMDG

Class	2
UN number	UN1950
Proper shipping name	AEROSOLS
EmS	F-D, S-U
Label	2.1

14.3 Transport ICAO-TI / IATA

Class	2.1
UN number	UN1950
Proper shipping name	Aerosols, flammable
Label	2.1

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.

Trade name: RONOL Thread Cutting Oil - Spray

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14.7 Maritime transport in bulk according to IMO instruments

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, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.	No 3
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Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is subject to Part I of Annex I, risk category:	P3a
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Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)

VOC content	30.13	%
VOC-value	135.9	g/l

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.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

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 section.

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

H220	Extremely flammable gas.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
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.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

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- C** Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
- L** The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.
- U** When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

Creation of the safety data sheet

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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.

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