

Product name: WATER-FREE CUTTING FLUID  
Revision: 2018-11-29  
Document No.: M0129

Page: 1/10  
Print date: 2018-11-29  
SDS-ID: GB-EN/17.0

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product name: WATER-FREE CUTTING FLUID  
Cat. No. 49900030

Container size: 5 l

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

Application: Cutting fluid.

### 1.3. Details of the supplier of the safety data sheet

Supplier: Struers ApS  
Pederstrupvej 84  
DK-2750 Ballerup  
Tel:+45 44 600 800

Responsible for safety data sheet authoring: Responsible for safety data sheet authoring: DHI  
Any questions to the contents of this safety data sheet should be sent to:  
struers@struers.dk

### 1.4. Emergency telephone number

NHS: 111  
  
+45 44 600 800  
(Only during office hours)

# SAFETY DATA SHEET

Product name:	WATER-FREE CUTTING FLUID	Page:	2/10
Revision:	2018-11-29	Print date:	2018-11-29
Document No.:	M0129	SDS-ID:	GB-EN/17.0

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

CLP: Asp. Tox. 1;H304  
Aquatic Chronic 3;H412

### 2.2. Label elements



Danger

Contains: Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil-  
unspecified

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

P273 Avoid release to the environment.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local regulations.

### 2.3. Other hazards

Prolonged or repeated contact with skin may cause redness, itching, irritation, eczema, skin cracking and oil  
acne. The harmful effects may increase in used oil. Oil spills are generally hazardous to the environment.

PBT/vPvB: No information available.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

The product contains: mineral oil and additives.

CLP:

%:	CAS-No.:	EC No.:	REACH Reg. No:	Chemical name:	Hazard classification:	Notes:
50-<100	72623-86-0	276-737-9	01-2119474878- 16-xxxx	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil-unspecified	Asp. Tox. 1;H304	L
1-<10	68425-15-0	270-335-7	01-2119540516- 41-xxxx	Polysulfides, di-tert-dodecyl	Aquatic Chronic 4;H413	
<1	68937-41-7	273-066-3	01-2119535109- 41-xxxx	Phenol, isopropylated, phosphate (3:1)	Repr. 2;H361fd STOT RE 2;H373 Aquatic Chronic 2;H411	
<1	128-37-0	204-881-4	01-2119555270- 46-xxxx	2,6-Di-tert-butyl-p-cresol	Aquatic Acute 1;H400 Aquatic Chronic 1;H410	

Notes: L: DMSO-content < 3%

References: The full text for all hazard statements is displayed in section 16.

# SAFETY DATA SHEET

Product name:	WATER-FREE CUTTING FLUID	Page:	3/10
Revision:	2018-11-29	Print date:	2018-11-29
Document No.:	M0129	SDS-ID:	GB-EN/17.0

---

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

Inhalation: Move into fresh air and keep at rest. In case of persistent throat irritation or coughing or after inhalation of oil mist: Seek medical attention and bring along these instructions.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and bring these instructions. In case of rashes, wounds or other skin disorders: Seek medical attention and bring along these instructions.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

Ingestion: DO NOT induce vomiting. Get medical attention immediately.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects: Aspiration hazard: Risk of chemical pneumonia after aspiration.  
See section 11 for more detailed information on health effects and symptoms.

### 4.3. Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media: Extinguish with carbon dioxide or dry powder.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2. Special hazards arising from the substance or mixture

Specific hazards: During fire, toxic gases (CO, CO<sub>2</sub>) are formed. During fire, gases hazardous to health may be formed.

### 5.3. Advice for firefighters

Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

---

# SAFETY DATA SHEET

Product name:	WATER-FREE CUTTING FLUID	Page:	4/10
Revision:	2018-11-29	Print date:	2018-11-29
Document No.:	M0129	SDS-ID:	GB-EN/17.0

---

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### **6.1. Personal precautions, protective equipment and emergency procedures**

Protective equipment: Avoid inhalation of oil mist and contact with skin and eyes. For personal protection, see section 8. (\*)

Emergency procedures: No specific recommendations. For personal protection, see section 8. (\*)

### **6.2. Environmental precautions**

Environmental precautions: Do not discharge into drains, water courses or onto the ground.

### **6.3. Methods and material for containment and cleaning up**

Methods for cleaning up: Absorb spillage with oil-absorbing material. Clean contaminated area with oil-removing material.

### **6.4. Reference to other sections**

References: For personal protection, see section 8. For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### **7.1. Precautions for safe handling**

Safe handling advice: Avoid inhalation of vapours and spray mists. Avoid prolonged and repeated contact with oil, particularly used oil. Always remove oil with soap and water or skin cleaning agent, never use organic solvents. Do not use oil-contaminated clothing or shoes, and do not put rags moistened with oil into pockets. Observe good chemical hygiene practices.

Technical measures: Work practice should minimise contact. Use work methods which minimise oil mist production.

Technical precautions: When working with heated oil, mechanical ventilation may be required.

### **7.2. Conditions for safe storage, including any incompatibilities**

Technical measures for safe storage: No special precautions.

Storage conditions: Store in tightly closed original container. Store at room temperature. Avoid contact with oxidising agents.

### **7.3. Specific end use(s)**

Specific use(s): No information available.

---

# SAFETY DATA SHEET

Product name:	WATER-FREE CUTTING FLUID	Page:	5/10
Revision:	2018-11-29	Print date:	2018-11-29
Document No.:	M0129	SDS-ID:	GB-EN/17.0

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Occupational exposure limits:

<u>CAS-No.:</u>	<u>Chemical name:</u>	<u>As:</u>	<u>Exposure limits:</u>	<u>Type:</u>	<u>Notes:</u>	<u>References:</u>
128-37-0	2,6-Di-tert-butyl-p-cresol	-	10 mg/m3	TWA	-	EH40

### 8.2. Exposure controls

<u>Engineering measures:</u>	Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours and oil mist. Mechanical ventilation may be required. Provide access to washing facilities incl. soap, skin cleanser and fatty cream.
<u>Personal protection:</u>	Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
<u>Respiratory equipment:</u>	In case of inadequate ventilation or risk of inhalation of oil mist, suitable respiratory equipment with combination filter (type A2/P3) can be used.
<u>Hand protection:</u>	Wear protective gloves. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. Other types of gloves can be recommended by the glove supplier.
<u>Eye protection:</u>	Risk of splashes: Wear goggles/face shield.
<u>Skin protection:</u>	Wear apron or protective clothing in case of contact.
<u>Hygiene measures:</u>	Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Wash contaminated clothing before reuse.
<u>Environmental Exposure Controls:</u>	Not available.

# SAFETY DATA SHEET

Product name: WATER-FREE CUTTING FLUID  
Revision: 2018-11-29  
Document No.: M0129

Page: 6/10  
Print date: 2018-11-29  
SDS-ID: GB-EN/17.0

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

(\*)

<u>Appearance:</u>	clear yellowish liquid
<u>Odour:</u>	characteristic
<u>Odour threshold:</u>	Not available.
<u>pH:</u>	Not available.
<u>Melting point:</u>	Not available.
<u>Boiling point:</u>	Not available.
<u>Flash point:</u>	170°C
<u>Evaporation rate:</u>	Not available.
<u>Flammability (solid, gas):</u>	Not available.
<u>Explosive limits</u>	Not available.
<u>Vapour pressure:</u>	Not available.
<u>Vapour density:</u>	Not available.
<u>Relative density:</u>	0,83
<u>Solubility:</u>	insoluble in water
<u>Partition coefficient (n-octanol/water):</u>	Not available.
<u>Auto-ignition temperature (°C):</u>	Not available.
<u>Decomposition temperature (°C):</u>	Not available.
<u>Viscosity:</u>	Kinematic viscosity <= 20.5 mm <sup>2</sup> /s.
<u>Explosive properties:</u>	Not available.
<u>Oxidising properties:</u>	Not available.

### 9.2. Other information

Other data: Volatile Organic Compound (VOC): 830 g/l (calculated)

# SAFETY DATA SHEET

Product name:	WATER-FREE CUTTING FLUID	Page:	7/10
Revision:	2018-11-29	Print date:	2018-11-29
Document No.:	M0129	SDS-ID:	GB-EN/17.0

---

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reactivity: No data available.

### 10.2. Chemical stability

Stability: Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

Hazardous Reactions: None under normal conditions.

### 10.4. Conditions to avoid

Conditions/materials to avoid: Strong oxidising substances.

### 10.5. Incompatible materials

Incompatible materials: No information available.

### 10.6. Hazardous decomposition products

Hazardous decomposition products: None in particular.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

The harmful effects may increase in used oil.

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.

Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.

Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive Toxicity: Based on available data, the classification criteria are not met.

STOT - Single exposure: Based on available data, the classification criteria are not met.

STOT - Repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: May be fatal if swallowed and enters airways.

Inhalation: Inhalation of oil mist or vapours formed during heating of the product will irritate the respiratory system and provoke coughing.

Skin contact: Prolonged or frequent contact may cause redness, itching, irritation, eczema, skin cracking and oil acne.

Eye contact: Splashes may irritate.

Ingestion: May irritate and cause malaise.

Specific effects: Prolonged or repeated contact with used oil may cause serious skin diseases, such as dermatitis.

---

# SAFETY DATA SHEET

Product name:	WATER-FREE CUTTING FLUID	Page:	8/10
Revision:	2018-11-29	Print date:	2018-11-29
Document No.:	M0129	SDS-ID:	GB-EN/17.0

---

## SECTION 12: ECOLOGICAL INFORMATION

### **12.1. Toxicity**

Ecotoxicity: Oil spills are generally hazardous to the environment.

2,6-Di-tert-butyl-p-cresol: 0.3 (EC50 48 hours, Daphnia, mg/l)

### **12.2. Persistence and degradability**

Degradability: The degradability of the product has not been stated.

### **12.3. Bioaccumulative potential**

Bioaccumulative potential: No data available on bioaccumulation.

### **12.4. Mobility in soil**

Mobility: No data available.

### **12.5. Results of PBT and vPvB assessment**

PBT/vPvB: No information available.

### **12.6. Other adverse effects**

Other adverse effects: No information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### **13.1. Waste treatment methods**

Waste from residues: Dispose of waste and residues in accordance with local authority requirements.  
Waste is classified as hazardous waste.

EWC-code: 12 01 07

Contaminated packaging: Dispose of waste and residues in accordance with local authority requirements.

---



# SAFETY DATA SHEET

Product name:	WATER-FREE CUTTING FLUID	Page:	9/10
Revision:	2018-11-29	Print date:	2018-11-29
Document No.:	M0129	SDS-ID:	GB-EN/17.0

---

## SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

UN-No: -

### 14.2. UN proper shipping name

Proper Shipping Name: -

### 14.3. Transport hazard class(es)

Class: -

### 14.4. Packing group

PG: -

### 14.5. Environmental hazards

Marine pollutant: -

Environmentally Hazardous substance: -

### 14.6. Special precautions for user

Special precautions: None known.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk: Not relevant.

## SECTION 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulation: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, with amendments.  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.  
The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.  
EH40/2005, Workplace exposure limits 2005, with amendments.  
The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

### 15.2. Chemical Safety Assessment

CSA status: No chemical safety assessment has been carried out.

---

# SAFETY DATA SHEET

Product name:	WATER-FREE CUTTING FLUID	Page:	10/10
Revision:	2018-11-29	Print date:	2018-11-29
Document No.:	M0129	SDS-ID:	GB-EN/17.0

---

## SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements: 6, 9.

The (\*) indicates the changes made with respect to the previous version.

Approved by DHI.

*Allan Vorup*

### Additional information:

Classification according to Regulation (EC) No. 1272/2008:  
Calculation method.

### Wording of H-statements:

H304	May be fatal if swallowed and enters airways.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

---

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Made by DHI - Environment and Toxicology, Agern Allé 5, DK-2970 Hørsholm, Denmark.  
[www.dhigroup.com](http://www.dhigroup.com).