

# Material Safety Data Sheet

# WEMARO TOOLS

According order (EG)code1907/2006

**Trade name** HIGH DUTY COOLANT LIQUID  
**Reviewed on** 28.07.2008

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## 1. Identification of substance

**Trade name** 604 001 005 + 604 001 020  
**aplicatin** Cutting Oil

**Supplier** Wemaro Tools GmbH E-mail verkauf@wemaro.de  
Max-Eyth-Str. 7 Telefon 07042/8263-0  
75428 Illingen Fax 07042/8263-23  
information division Product safety deparment

**Emergency information** As above or next toxicological information centre

## 2. Hazard identifications

**Hazard designation** not applicable

**Information pertraining to particular Dangers for man and enviroment** not applicable

## 3. Composition / Data on components

**chemical characterization** Mixture of refine vegetable oil, high pressure additives, AW-additives, oxidation catalysators

### dangerous ingredients

<u>EINECS-Nr.</u>	<u>CAS-Nr.</u>	<u>designation</u>	<u>Gew.-%</u>	<u>symbols</u>	<u>R-rates</u>
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No Hazadours components

**additional details** Free from organochlorine compounds

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## 4. First aid measures

<b>General information</b>	Instantly remove any clothing contaminated by the product. Take affected persons out of danger area and instruct to lie down. Do not leave affected persons unsupervised. Personal protection for the First Aider.
<b>After inhalation</b>	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness bring patient into stable side position for transport.
<b>After skin contact</b>	Wash with soap and water. After prolonged skin contact defatting of skin possible, use skin protecting agent after prolonged skin contact. If skin irritation continues, consult a doctor.
<b>After eye contact</b>	Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
<b>After swallowing</b>	Rinse out mouth and then drink plenty of water. Do not induce vomiting – danger of chemical pneumonia. Call a doctor immediately.
<b>Information for doctor</b>	Look point 2

## 5. Fire fighting measures

<b>Suitable extinguishing agents</b>	CO <sub>2</sub> , extinguishing powder or water spray/fog. Fight larger fires with water spray/fog or alcohol-resistant foam.
<b>Unsuitable extinguishing agents</b>	Water full jet
<b>Special hazard caused by the Material, it's product of combustion or flue gases</b>	nitric oxide, carbon black, Carbon monoxide, carbon dioxide and sulfure dioxide
<b>Protective equipment</b>	Put on breathing apparatus.
<b>Additional information</b>	Cool endangered containers with water spray jet. Collect contaminated fire fighting water separately. It must not enter drains.

## 6. Accidental release measures

<b>Personal-related safety precautions</b>	Remove all ignition sources. Wear protective clothing and keep away unprotected persons. Do not breathe vapours. Avoid skin and eye contact. Ensure adequate ventilation.
<b>Measures for environmental protection</b>	Do not allow to enter drainage system, surface or ground water. Inform respective authorities in case product reaches water of sewage system. Prevent from spreading (e. g. by damming-in or oil barriers). Damp down gases/fumes/haze with water spray jet.
<b>Measures for cleaning / collecting</b>	Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Remove from the surface of water (e. g. skim or vacuum of) Dispose of the material collected according to regulations.

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## 7. Handling and storage

**Information for safe handling** Ensure good interior ventilation, especially at floor level.

**Information about protection against Explosions and fires** To hold of ignition- and heat source

**Requirements to be met by Storerooms and containers** Make sure that all applicable workplace limits are observed

**Information about storage in one Common storage facility** Store away from oxidizing agents.

**Further information about storage** +5 - +30°C

## 8. Definition and control of exposure / personal protective equipment

**Additional information about design Of technical systems** No further data; see item 7.

### Components with critical values that require monitoring at the workplace

<u>EINECS-Nr.</u>	<u>CAS-Nr.</u>	<u>name of the item</u>	<u>weight.-%</u>	<u>kind</u>	<u>data</u>	<u>unit</u>
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### Personal protective equipment General protective measures

Keep away from foodstuffs, beverages and food. Wash hand during breaks and at the end of the work. Instantly remove any contaminated garments. Do not inhale gases / fumes / aerosols. Avoid close or long term contact with the skin. Avoid contact with the eyes. Do not carry cleaning cloths impregnated with the product in trouser pockets.

### Breathing equipment

If all workplace limits are observed and good ventilation is ensured, no special precautions nessecary.

### Protection of hands

Solvent resistant gloves. The glove material has to be impermeable and resistan to the product/ the substance/the preparation. (z.B. Camatril Profi 729 Fa. KCL, Permeationszeit L6:480 min, Penetration L3:0,65).

### Eye protection

Safety glasses recommended during refilling.

### Body protection

Solvent resistant protective clothing.

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## 9. Physical and chemical properties

### General information

<b>Form</b>	liquid		
<b>Colour</b>	yellow		
<b>Smell</b>	typical		
<b>Flash point</b>	>190	°C	DIN 51755
<b>Self-inflammable</b>	>240	°C	DIN EN ISO 3405
<b>Explosion risk</b>	0,6	Vol %	
	6,5	Vol %	
<b>Density at 20°C</b>	0,9268	g / cm <sup>3</sup>	DIN 51757
<b>Solubility in water</b>	immiscible		
<b>Viscosity at 20°C</b>	40	mm <sup>2</sup> /s	DIN 51562

## 10. Stability and reactivity

<b>Thermal decomposition</b>	not decomposition if used according to specifications
<b>Dangerous reactions</b>	Non in case of appropriate storage / handling / transport
<b>Dangerous product of decomposition</b>	Non in case of appropriate storage / handling / transport

### Order to avoid terms

## 11. Toxicological information

<b>Acute toxicity</b>	none
<b>Primary irritant effect</b>	
<b>On the skin</b>	Light weak irritating effect.
<b>On the eye</b>	Light weak irritating effect.
<b>Sensitization</b>	No sensitizing effect known.

## 12. Environment based information

<b>General information</b>	Can have in water for longer periods ill effect
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## 13. Disposal considerations

**Recommendation** Disposal must be made according to official regulations.

**European waste catalogue** 120 107

**Packaging** Disposal must be made according to official regulations.

## 14. Transport information

**Land transport ADR/RID and GGVS/GGVE** none hazardous material

**Class**

**Packing group**

**UN-number**

**Hazard-number**

**Description**

**Maritim transport IMDG/GGVSEE** none hazardous material

**Class**

**UN-number**

**Packing group**

**Label**

**EMS-number**

**Description**

**Air transport ICAO-TI and IATA-DGR** none hazardous material

**Class**

**UN/ID-number**

**Label**

**Packaging group**

**Description**

**Transport / Additional information** none hazardous material

## 15. Regulatory information

**Substance safty appraisal**

**Designation according to EG guidelines** The product ist not subject ti classification according to the calculation Methodes of the General classification Guidline for preparations of The EC as issued in the last version.

**EU-instructions**

**National regulations** Technical Instruction on Air Class: III  
Proportion %: --

**Water hazard class** Water hazard class 2 (Assessment by list): hazardous for water

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## 16. Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Pertinent R-phrases**

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**Pertinent S-phrases**

25

avoid contact with eyes

26

with contact the eyes, clean efficient with water and consult a doctor

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release at the enviroment avoid. Material Safety Data Sheet to attend.

**Manufacturer 's suggested retail applicationlimit**

Only for commercials applying products, no public products

**Departement issuing data specification sheet**

**Wemaro Tools GmbH**

Max-Eyth-Str. 7

75428 Illingen