

## Safety data sheet

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according to 1907/2006/EC, Article 31

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### 1 Identification of the substance/mixture and of the company/undertaking

#### Product identifier

Trade name:

**Bullmer Special Oil**

Application / Use:

cutting head oil

Article number:

**063067**

Application of the substance / the preparation:

Lubricant for industry

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

**topcut-bullmer GmbH**  
**Heutal 7 / Industriegebiet**  
**72537 Mehrstetten / Germany**  
 Tel: +49 (0) 7381 / 183 - 0  
 Fax: +49 (0) 7381 / 723

Further information obtainable from:

Department: safety / environment

Emergency telephone number:

During working hours: +49 (0) 7381 / 183 - 0

### \* 2 Hazards identification

#### Classification of the substance or mixture

Classification according to Directive 67/548/EEC or  
 Directive 1999/45/EC

Not applicable.

Information concerning particular hazards for  
 human and environment:

The product does not have to be labelled due to the calculation procedure of the  
 "General Classification guideline for preparations of the EU" in the latest valid  
 version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by  
 company and literature data.

#### Label elements

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.  
 The product is not subject to identification regulations under EU Directives and the  
 Ordinance on Hazardous Materials (German GefStoffV).

Safety phrases:

56 Dispose of this material and its container to hazardous or special waste  
 collection point.

Special labelling of certain preparations:

Safety data sheet available for professional user on request.

Other hazards

Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

### \* 3 Composition/information on ingredients

Description:

Mixture

Dangerous components:

olefin sulfide

R52/53 < 5%

Additional information:

The wording of the hazard symbols and R-phrases is specified in chapter 16 if  
 dangerous ingredients are mentioned.  
 Components with threshold limit values are mentioned at section 8.

### \* 4 First aid measures

#### Description of first aid measures

General information:

No special measures required.

After inhalation:

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

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<b>After eye contact:</b>	Rinse opened eye for several minutes under running water.
<b>After swallowing:</b>	Seek immediate medical advice.
<b>Information for doctor:</b>	Treat symptomatically
<b>Most important symptoms and effects, both acute and delayed</b>	No further relevant information available.
<b>Indication of any immediate medical attention and special treatment needed</b>	No further relevant information available.

**\* 5 Firefighting measures**

<b>Extinguishing media</b>	
<b>Suitable extinguishing agents:</b>	CO2, sand, extinguishing powder. Do not use water. Use fire extinguishing methods suitable to surrounding conditions. Fire extinguishers for the surrounding materials.
<b>For safety reasons unsuitable extinguishing agents:</b>	Do not use water with full jet
<b>Special hazards arising from the substance or mixture</b>	Formation of toxic gases is possible during heating or in case of fire. Nitrogen oxides (NOx) Carbon monoxide (CO) Sulphur dioxide (SO2)
<b>Advice for firefighters</b>	
<b>Protective equipment:</b>	Wear fully protective suit. Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases.
<b>Additional information</b>	Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**\* 6 Accidental release measures**

<b>Personal precautions, protective equipment and emergency procedures</b>	Particular danger of slipping on leaked/spilled product. Wear protective clothing.
<b>Environmental precautions:</b>	Do not allow to enter sewers/ surface or ground water. Prevent from spreading (e.g. by damming-in or oil barriers).
<b>Methods and material for containment and cleaning up:</b>	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
<b>Reference to other sections</b>	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

**\* 7 Handling and storage**

<b>Handling:</b>	On the basis of available information, the components of this preparation are not expected to impart hazardous properties to this product.
<b>Precautions for safe handling</b>	No special measures required. Keep receptacles tightly sealed. Store in cool, dry place in tightly closed receptacles.
<b>Information about fire - and explosion protection:</b>	Fire class DIN EN 2: B
<b>Conditions for safe storage, including any incompatibilities</b>	
<b>Storage:</b>	
<b>Requirements to be met by storerooms and receptacles:</b>	Store only in the original receptacle. Provide floor trough without outlet. Prevent any seepage into the ground.
<b>Information about storage in one common storage facility:</b>	Store away from foodstuffs. Store away from oxidizing agents.
<b>Further information about storage conditions:</b>	Storage temperature: 5 to 40 °C
<b>Minimum shelf life / durability from dispatch on:</b>	3 years
<b>Storage class:</b>	10 (Germany)
<b>Specific end use(s)</b>	No further relevant information available.

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**\* 8 Exposure controls/personal protection****Additional information about design of technical facilities:**

No further data; see item 7.

**Control parameters****Ingredients with limit values that require monitoring at the workplace:****Additional Occupational Exposure Limit Values for possible hazards during processing:**

Not applicable

**Additional information:**

The lists valid during the making were used as basis.

If formation of steam, mist or aerosols take place the concentration in the air has to be kept at the the lowest possible level.

**Exposure controls****Personal protective equipment:****General protective and hygienic measures:****Respiratory protection:**

The usual precautionary measures are to be adhered to when handling chemicals.

Use suitable respiratory protective device when high concentrations are present.

Respiratory protection with arising oil mist.

In general not necessary.

**Protection of hands:**

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Safety gloves of nitrile rubber or viton.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

**Material of gloves**

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Value for the permeation: Level  $\geq 6$ **Eye protection:**

Goggles recommended during refilling

**Body protection:**

Protective work clothing.

**\* 9 Physical and chemical properties****Information on basic physical and chemical properties****General Information****Appearance:****Form:**

Fluid

**Colour:**

Yellow

**Odour:**

Mild

**Odour threshold:**

Not determined.

**pH-value:**

Not determined.

**Change in condition****Melting point/Melting range:**

Undetermined.

**Boiling point/Boiling range:**

Undetermined.

**Drip point:****Pour point**

-24°C (DIN ISO 3016)

**Flash point:**

225°C (DIN ISO 2592)

**Ignition temperature:****Decomposition temperature:**

Not determined.

**Self-igniting:**

Product is not selfigniting.

**Danger of explosion:**

The product shows no danger of explosion, but it may build explosive mixtures with air ( by vaporisation, oil mist formation, heating above the flash point).

**Explosion limits:****Lower:**

0.6 Vol %

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Upper:	7 Vol %
Vapour pressure at 20°C:	<0.1 hPa (EN 12)
Density at 15°C:	0.888 g/cm <sup>3</sup> (DIN 51 757)
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Segregation coefficient (n-octanol/water):	Not determined.
Viscosity:	
Kinematic at 40°C	100 mm <sup>2</sup> /s (DIN 51 562)

**\* 10 Stability and reactivity**

Reactivity	
Chemical stability	
Thermal decomposition / conditions to be avoided:	Avoid contact with heat, sparks, flame and all sources of ignition.
Possibility of hazardous reactions	Reacts with strong oxidizing agents.
Incompatible materials:	No further relevant information available.
Hazardous decomposition products:	No dangerous decomposition products known.
Additional information:	Product is not classified as inflammable but can burn.

**\* 11 Toxicological information**

Information on toxicological effects	
Acute toxicity:	
LD/LC50 values relevant for classification:	LD50: > 2000 mg/kg (rat, oral)
Specific symptoms in biological assay:	No data available.
Primary irritant effect:	
on the skin:	No irritant effect.
on the eye:	No irritating effect.
Sensitization:	No sensitizing effects known.
Subacute to chronic toxicity:	Prolonged and /or repeated contact may cause defatting of the skin which can lead to dermatitis and may make the skin more susceptible to irritation and penetration by other materials.
Additional toxicological information:	The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

**\* 12 Ecological information**

Toxicity	
Acquatic toxicity:	No further relevant information available.
Behaviour in environmental systems:	
Bioaccumulative potential	The product is not soluble in water. If it enters soil, it will adsorb to soil particles and will not be mobile. The product has potential to bioaccumulate. Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.
Mobility in soil	No further relevant information available.
Additional ecological information:	
General notes:	Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow product to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment	
PBT:	Not applicable.
vPvB:	Not applicable.
Other adverse effects	No further relevant information available.

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**\* 13 Disposal considerations****Waste treatment methods****European waste catalogue**

13 02 05\* mineral-based non-chlorinated engine, gear and lubricating oils

**Uncleaned packaging:**

Clean packing completely. Handover to authorized disposal company.

**Recommendation:**

Disposal must be made according to official regulations.

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

**\* 14 Transport information****Land transport ADR/RID (cross-border)****ADR/RID class:**-  
Non-dangerous goods**Maritime transport IMDG:****IMDG Class:**-  
Non-dangerous goods**Marine pollutant:**

No

**Air transport ICAO-TI and IATA-DGR:****ICAO/IATA Class:**-  
Non-dangerous goods**Special precautions for user**

Not applicable.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**\* 15 Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations:****Information about limitation of use:**

None

**Waterhazard class:**

Water hazard class 1 (Self-assessment): slightly hazardous for water.

**Other regulations, limitations and prohibitive regulations**

The product is not subject to the VOC-regulation (31.BImSch).

**Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

**\* 16 Other information****Recommendation of the manufacturer:**

Absorb spilled liquid media with AVILUB OELBINDER and dispose in accordance with local regulations. For skin protection when handling water-mixable and not-water-mixable media we recommend application of COVER SKIN.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Department issuing MSDS:**

Department: Safety/Environment

**\* Data compared to the previous version altered.**