



## SAFETY DATA SHEET

Boss Soluble Cutting Oil

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Compilation date: 23/01/2020

Revision date: 10/06/2022

Revision No: 2

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

#### 1.1. Product identifier

**Product name:** Boss Soluble Cutting Oil

**Product code:** 84630073

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

**Use of substance / mixture:** PC25: Metal working fluids.

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

**Company name:** BSS Industrial

BOSS Court

7 Barton Close

Grove Park

Leicester

LE19 1SJ

**Tel:** 0116 262 3232

**Email:** myles.fenn@bssgroup.com

#### 1.4. Emergency telephone number

**Emergency tel:** 0116 262 3232

(office hours only)

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification under CLP:** \* Eye Dam. 1: H318; Aquatic Chronic 3: H412; Skin Irrit. 2: H315

**Most important adverse effects:** Causes skin irritation. Causes serious eye damage. Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

**Label elements:**

**Hazard statements:** \* H315: Causes skin irritation.

H318: Causes serious eye damage.

H412: Harmful to aquatic life with long lasting effects.

**Hazard pictograms:** GHS05: Corrosion



[cont...]

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**Signal words:** Danger

**Precautionary statements:** P264: Wash skin thoroughly after handling.

P280: Wear protective gloves/eye protection.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor/first aid.

P332+313: If skin irritation occurs: Get medical advice/attention.

P362: Take off contaminated clothing.

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### \* Hazardous ingredients:

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC

EINECS	CAS	PBT / WEL	CLP Classification	Percent
265-155-0	64742-52-5	-	Asp. Tox. 1: H304	70-90%

RAPE OIL, REACTION PRODUCTS WITH DIETHANOLAMINE - REACH registered number(s): 01-2119970175-35

269-125-8	68187-80-4	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Aquatic Chronic 2: H411	1-5%
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N,N'-METHYLENEBISMORPHOLINE

227-062-3	5625-90-1	-	Met. Corr. 1: H290; Skin Corr. 1B: H314; Acute Tox. 4: H302	1-5%
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(2-METHOXYMETHYLETHOXY)PROPANOL - REACH registered number(s): 01-2119450011-60

252-104-2	34590-94-8	Substance with a Community workplace exposure limit.	-	1-5%
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BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS - REACH registered number(s): 01-2119489428-22

270-115-0	68411-30-3	-	Skin Irrit. 2: H315; Eye Dam. 1: H318; Acute Tox. 4: H302	<1%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

[cont...]

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**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

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

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** \* There may be irritation and redness. The eyes may water profusely. May cause permanent damage.

**Ingestion:** Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

**Exposure hazards:** In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Ensure there is sufficient ventilation of the area.

[cont...]

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

**Storage conditions:** Store in a cool, well ventilated area.

## 7.3. Specific end use(s)

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Specific end use(s):** No data available.

**Hazardous ingredients:**

**(2-METHOXYMETHYLETHOXY)PROPANOL**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	50ppm(sk)	-	-	-

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves. Wear protective gloves according to EN 374.

**Eye protection:** Safety glasses with side-shields. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Pale brown

**Odour:** Characteristic odour

**Evaporation rate:** Negligible

**Oxidising:** Not applicable.

**Solubility in water:** Miscible in all proportions

**Also soluble in:** Most organic solvents.

**Viscosity:** Oily

**Kinematic viscosity:** \* >20.5

**Viscosity test method:** Kinematic viscosity in 10<sup>-6</sup> m<sup>2</sup>/s at 40°C (ISO 3104/3105)

**Boiling point/range°C:** No data available.

**Melting point/range°C:** No data available.

**Flammability limits %: lower:** No data available.

**upper:** No data available.

**Flash point°C:** >100

**Part.coeff. n-octanol/water:** No data available.

**Autoflammability°C:** >200

**Vapour pressure:** No data available.

**Relative density:** 0.900

[cont...]

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pH: 9.5 - Solution

VOC g/l: No data available.

## 9.2. Other information

## Section 10: Stability and reactivity

### 10.1. Reactivity

Other information: No data available.

Reactivity: Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

### 10.3. Possibility of hazardous reactions

Chemical stability: Stable under normal conditions.

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces.

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

Materials to avoid: Strong oxidising agents. Strong acids. Strong bases.

Haz. decomp. products: In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Hazardous ingredients:

#### N,N'-METHYLENEBISMORPHOLINE

ORAL	RAT	LD50	550	mg/kg
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#### (2-METHOXYMETHYLETHOXY)PROPANOL

DERMAL	RBT	LD50	9150	mg/kg
ORAL	RAT	LD50	>5000	mg/kg

#### BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS

DERMAL	RBT	-	2000	mg/kg
ORAL	RAT	-	404	mg/kg
VAPOURS	RAT	-	2.18	mg/l

[cont...]

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## Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

## Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** \* There may be irritation and redness. The eyes may water profusely. May cause permanent damage.

**Ingestion:** Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

#### Hazardous ingredients:

#### RAPE OIL, REACTION PRODUCTS WITH DIETHANOLAMINE

ZEBRAFISH (Brachydanio rerio)	96H LC50	5.1	mg/l
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#### (2-METHOXYMETHYLETHOXY)PROPANOL

DAPHNIA	48H EC50	1919	mg/l
FISH	96H LC50	>1000	mg/l
GREEN ALGA (Selenastrum capricornutum)	96H ErC50	>969	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

**Mobility:** Readily absorbed into soil. Soluble in water.

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Other adverse effects:** \* Harmful to aquatic organisms.

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

[cont...]

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**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

**Specific regulations:** Not applicable.

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H290: May be corrosive to metals.

H302: Harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.