

**GRINDCOOL B**

Date 27.3.2015

Previous date: 13.3.2013

**SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier**  
**1.1.1 Commercial Product Name**  
GRINDCOOL B
- 1.1.2 Product code**  
424379,424377
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
**1.2.1 Recommended use**  
Grinding fluid for metalworking machinery.  
For professional users only.
- 1.3 Details of the supplier of the safety data sheet**  
**1.3.1 Supplier**  
KiiltoClean Oy  
**Street address** Tengströminkatu 6  
**Postcode and post office** 20360 Turku, Finland  
**P.O.Box** PL 157  
**Postcode and post office** FI-20101 Turku, Finland  
**Telephone** +358 (0)207 710 400  
**Telefax** +358 (0)207 710 402  
**Business ID** 1799926-0  
**Email** asiakaspalvelu@kiiltoclean.fi
- 1.4 Emergency telephone number**  
**1.4.1 Telephone number, name and address**  
Poison advisory center in Finland: +358 9 471 977

**SECTION 2. HAZARDS IDENTIFICATION**

- 2.1 Classification of the substance or mixture**  
**1272/2008 (CLP)**  
Eye Irrit. 2, H319  
**67/548/EEC - 1999/45/EC**  
-; R
- 2.2 Label elements**  
**1272/2008 (CLP)**  
GHS07  
Signal word **Warning**  
**Hazard Statements**  
H319 Causes serious eye irritation.  
**Precautionary Statements**  
P280 Wear eye protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.
- 2.3 Other hazards**  
n.v.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

- 3.2 Mixtures**  
**Hazardous components**

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CAS/EC and Reg.number	EINECS	Chemical name of the substance	Concentration	Classification
111-42-2	203-868-0	Diethanolamine	1 - 2 %	Xn; R22-48/22; Xi; R38-41; Acute Tox. 4 (oral), H302; STOT RE 2, H373; Skin Irrit. 2, H315; Eye Dam. 1, H318
5625-90-1		4,4-methylenebismorpholine	1 - 5 %	Xn; R22, Xi; R36/38 Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319
497-19-8	207-838-8	Sodium carbonate	1 - 5 %	Xi; R36 Eye Irrit. 2, H319

**3.3 Other information**

See item [15.1].

**SECTION 4. FIRST AID MEASURES****4.1 Description of first aid measures****4.1.2 Inhalation**

In the case of inhalation of aerosol/mist consult a physician if necessary.

**4.1.3 Skin contact**

Wash off immediately with plenty of water.

**4.1.4 Eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**4.1.5 Ingestion**

Call a physician immediately.

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

No information available.

**4.3 Indication of immediate medical attention and special treatment needed**

Treatment according to symptoms.

**SECTION 5. FIREFIGHTING MEASURES****5.1 Extinguishing media****5.1.1 Suitable extinguishing media**dry powder, foam, carbon dioxide (CO<sub>2</sub>).**5.2 Special hazards arising from the substance or mixture**

Toxic fumes are developed by the decomposition of the product while upheated.

**5.3 Advice for firefighters**

No information available.

**SECTION 6. ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Evacuate personnel to safe areas.

**6.2 Environmental precautions**

Should not be released into the environment.

**6.3 Methods and materials for containment and cleaning up**

Soak up with inert absorbent material. Small amounts: Flush with plenty of water.

**6.4 Reference to other sections**

Personal protection, see item 8.

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**SECTION 7. HANDLING AND STORAGE**

- 7.1 Precautions for safe handling**  
Normal procedures with dangerous chemicals.
- 7.2 Conditions for safe storage, including any incompatibilities**  
Storage over +5 °C in original package. Keep tightly closed.
- 7.3 Specific end use(s)**  
None

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- 8.1 Control parameters**
- 8.1.1 Threshold limits**
- |                |                       |                           |
|----------------|-----------------------|---------------------------|
| Diethanolamine | 0,46 ppm (8 h)<br>iho | 2 mg/m <sup>3</sup> (8 h) |
|----------------|-----------------------|---------------------------|
- 8.1.4 DNELs**  
No information available.
- 8.1.5 PNECs**  
No information available.
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls**  
Avoid contact with the skin and the eyes.
- 8.2.2 Individual protection measures**
- 8.2.2.1 Respiratory protection**  
Respiration mask is needed only when aerosol or mist is formed.
- 8.2.2.2 Hand protection**  
rubber or plastic gloves
- 8.2.2.3 Eye/face protection**  
Protective glasses if splashes occur.
- 8.2.2.4 Skin protection**  
Protective clothing.
- 8.2.3 Environmental exposure controls**  
Do not empty into watercourse, drains or soil.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- 9.1 Important Health Safety and Environmental Information**
- 9.1.1 Appearance**  
yellowish liquid.
- 9.1.4 pH** 9,8
- 9.1.13 Relative density** 1,068 kg/m<sup>3</sup> 20 °C
- 9.1.14 Solubility(ies)**
- 9.1.14.1 Water solubility** soluble
- 9.2 Other information**  
None

**SECTION 10. STABILITY AND REACTIVITY**

- 10.1 Reactivity**  
-

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- 10.2 Chemical stability**  
Stable at normal conditions.
- 10.3 Possibility of hazardous reactions**  
n.v.
- 10.4 Conditions to avoid**  
Store above freezing.
- 10.5 Incompatible materials**  
n.v.
- 10.6 Hazardous decomposition products**  
Nitrogen oxides (NOx). Toxic fumes are developed by the decomposition of the product while upheated.

**SECTION 11. TOXICOLOGICAL INFORMATION**

- 11.1 Information on toxicological effects**
- 11.1.1 Acute toxicity**  
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- 11.1.2 Irritation and corrosion**  
Causes serious eye irritation.
- 11.1.3 Sensitisation**  
n.v.
- 11.1.4 Subacute, subchronic and prolonged toxicity**  
n.v.

**SECTION 12. ECOLOGICAL INFORMATION**

- 12.1 Toxicity**
- 12.1.1 Aquatic toxicity**  
-
- 12.1.2 Toxicity to other organisms**  
-
- 12.2 Persistence and degradability**
- 12.2.1 Biodegradation**  
The product is slowly biodegradable. Surfactants of the product are readily biodegradable (> 60%).
- 12.2.2 Chemical degradation**  
See item [10].
- 12.3 Bioaccumulative potential**  
n.v.
- 12.4 Mobility in soil**  
Because the product is water-soluble, it can spread in the soil.
- 12.5 Results of PBT and vPvB assessment**  
n.v.
- 12.6 Other adverse effects**  
n.v.

**SECTION 13. DISPOSAL CONSIDERATIONS**

- 13.1 Waste treatment methods**  
Dispose in compliance with local and national regulations

**SECTION 14. TRANSPORT INFORMATION**

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	<b>Land transport ADR/RID</b>	<b>Sea transport IMDG/IMO</b>
<b>14.1 UN number</b>	-	-
<b>14.2 UN proper shipping name</b>		
<b>14.3 Transport hazard class(es)</b>		
<b>14.4 Packing group</b>		
<b>14.5 Environmental hazards</b>		
<b>Other information</b>		

**14.6 Special precautions for users**

n.v.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

n.v.

**SECTION 15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Contains as a preservative Benzisothiazolinone and Methylisothiazolinone.

**15.2 Chemical safety assessment**

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**SECTION 16. OTHER INFORMATION****16.1 Additions, Deletions, Revisions**

Classification information has been changed.

**16.3 Key literature references and sources for data**

This MSDS is based on currently valid laws and regulations. Safety Data Sheets of raw materials.

**16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements**

R22 Harmful if swallowed.

R36 Irritating to eyes.

R36/38 Irritating to eyes and skin.

R41 Risk of serious damage to eyes.

R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H373 Saattaa vahingoittaa elimiä pitkäaikaisessa tai toistuvassa altistumisessa nieltynä.

**16.6 Training advice**

Look at label or leaflet.