



Issue Date 11-01-2021

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Revision Number 1

## 1. Identification

### Product identifier

**Product name** Cobalt Grinder

### Other means of identification

### Recommended use of the chemical and restrictions on use

**Material Uses** Coolant.

**Uses advised against** Verify Applications

### Details of manufacturer or importer

#### **Supplier**

LiveTools PTY Limited  
115 Young St. Carrington  
NSW 2294 Australia  
Telephone: 02 4017 0198

#### **Manufacturer**

Hangsterfer's Laboratories, Inc.  
175 Ogden Road  
Mantua, NJ 08051  
Phone 856-468-0216, Fax 856-468-0200  
Website: www.hangsterfers.com

### Contact Point

### Emergency telephone number

Emergency telephone number Livetools: 02 4017 0198

## 2. Hazard(s) identification

Not classified as hazardous according to criteria of NOHSC.

### GHS Classification

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

### Label Elements

#### **Hazard statements**

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

### Other Information

6.521% of the mixture consists of ingredient(s) of unknown toxicity

## 3. Composition/information on ingredients

### Substance

Synthetic Fluid.

Chemical name	CAS-No	Weight-%
Triethanolamine	102-71-6	4.95

#### 4. First-aid measures

##### Description of first aid measures

<b>Emergency telephone number</b>	Poisons Information Center, Australia: 13 11 26 Poisons Information Center, New Zealand: 0800 764 766
<b>Inhalation</b>	Remove to fresh air.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash skin with soap and water.
<b>Ingestion</b>	Do NOT induce vomiting. Drink plenty of water. Consult a physician if necessary.

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

**Symptoms** None known.

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

**Note to physicians** Treat symptomatically.

#### 5. Fire-fighting measures

##### Suitable extinguishing media

**Suitable Extinguishing Media** Water spray or fog is preferred; if water not available use dry chemical, CO<sub>2</sub> or regular foam.

**Unsuitable extinguishing media** Do not use straight streams.

##### Specific hazards arising from the chemical

**Specific hazards arising from the chemical** May be ignited by heat, sparks or flames. Keep product and empty container away from heat and sources of ignition.

**Hazardous combustion products** Carbon oxides.

##### Special protective actions for fire-fighters

**Special protective equipment for fire-fighters** As is in any fire, wear self contained breathing apparatus pressure demand and full protective gear.

#### 6. Accidental release measures

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

**Personal precautions** Remove all sources of ignition. Avoid contact with skin and eyes. Wear boots, gloves and protective suit when handling large spills. Ensure adequate ventilation.

**Other information** Report spills as required to the appropriate authorities.

**For emergency responders** Use personal protection recommended in Section 8.

#### Environmental precautions

**Environmental precautions** No data available.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal.

#### Precautions to prevent secondary hazards

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. Handling and storage

#### Precautions for safe handling

**Advice on safe handling** Avoid contact with eyes. Keep container in a well-ventilated place. Do not puncture or incinerate cans.

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

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight. Keep away from heat and sources of ignition.

**Incompatible materials** Acids and oxidizing agents.

## 8. Exposure controls/personal protection

#### Control parameters

**Exposure Limits** The table below lists known exposure levels for any components of this product which are considered hazardous. Keep in mind, however, that these exposure levels are for air levels of the individual ingredients as measured by specific analytical methods.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Triethanolamine 102-71-6	TWA: 5 mg/m <sup>3</sup>	-	

#### Appropriate engineering controls

**Engineering controls** Use in well-ventilated area. If user operations generate mist, use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below TLV TWA: 5 mg/m<sup>3</sup> and TLV STEL: 10 mg/m<sup>3</sup>.

#### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles). Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337- Eye Protectors for Industrial Applications.

**Skin and body protection** Use protective gloves and clothing if contact with product is likely.

**Respiratory protection** If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be

made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

**Environmental exposure controls** No information available.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	Golden
<b>Color</b>	Golden
<b>Odor</b>	Mild
<b>Odor threshold</b>	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	9.3 - 9.7	
<b>Melting point / freezing point</b>	No information available	
<b>Boiling point / boiling range</b>	193 °C / 199 °F	
<b>Flash point</b>	Non flammable	
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>	No unusual hazard	
<b>Upper flammability limit:</b>	No unusual hazard	
<b>Lower flammability limit:</b>	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Relative Density</b>	1.01 - 1.06	
<b>Water solubility</b>	Soluble in water	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient</b>	No information available	
<b>Autoignition temperature</b>	No unusual hazard	
<b>Decomposition temperature</b>	No unusual hazard	
<b>Kinematic viscosity</b>	1 - 4 cSt @ 40°C / 32 - 40 SUS @ 100°F	
<b>Dynamic viscosity</b>	No information available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	
<b>Other information</b>	No information available	
<b>Softening point</b>	No information available	
<b>VOC Content (%)</b>	Request additional information	
<b>Liquid Density</b>	No information available	
<b>Bulk density</b>	No information available	

## 10. Stability and reactivity

### Reactivity

**Reactivity** No information available.

### Chemical stability

**Stability** Stable under normal conditions.

### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal processing.

**Hazardous polymerization** Hazardous polymerization does not occur.

**Conditions to avoid**

**Conditions to avoid** Keep away from open flames, hot surfaces and sources of ignition.

**Incompatible materials**

**Incompatible materials** Acids and oxidizing agents.

**Hazardous decomposition products**

**Hazardous decomposition products** Carbon oxides.

## 11. Toxicological information

**Acute Health Effects**

**Information on likely routes of exposure**

**Product Information**

**Inhalation** No data available.

**Eye contact** No data available.

**Skin contact** No data available.

**Ingestion** No data available

**Symptoms** None known.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Triethanolamine 102-71-6	= 4190 mg/kg ( Rat )	> 20 mL/kg ( Rabbit ) > 16 mL/kg ( Rat )	-

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity** 6.521% of the mixture consists of ingredient(s) of unknown toxicity

*See section 16 for terms and abbreviations*

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No unusual hazard.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

## 12. Ecological information

### Ecotoxicity

Chemical name	Freshwater Algae	Fish	Microtox	Water Flea
Triethanolamine 102-71-6	216: 72 h Desmodesmus subspicatus mg/L EC50 169: 96 h Desmodesmus subspicatus mg/L EC50	10600 - 13000: 96 h Pimephales promelas mg/L LC50 flow-through 450 - 1000: 96 h Lepomis macrochirus mg/L LC50 static 1000: 96 h Pimephales promelas mg/L LC50 static		1386: 24 h Daphnia magna mg/L EC50

**Persistence and degradability** No information available.

Chemical name	Partition coefficient
Triethanolamine 102-71-6	-2.53

### Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

### Mobility

**Mobility in soil** No unusual hazard.

**Mobility in Environmental Media** No information available.

### Other adverse effects

**Other adverse effects** None known.

## 13. Disposal considerations

### Waste treatment methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

## 14. Transport information

**ADG** Not regulated

**IATA** Not regulated  
**Proper shipping name** Not applicable

**IMDG** Not regulated  
**Marine pollutant** Not regulated

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
No information available

## 15. Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National regulations**

**Australia**

Not classified as hazardous according to criteria of NOHSC.

See section 8 for national exposure control parameters

**Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)**

No poisons schedule number allocated

**International Inventories**

<b>TSCA</b>	Does not comply
<b>DSL/NDL</b>	Does not comply
<b>EINECS/ELINCS</b>	Does not comply
<b>ENCS</b>	Does not comply
<b>IECSC</b>	Does not comply
<b>KECL</b>	Does not comply
<b>PICCS</b>	Does not comply
<b>AICS</b>	Does not comply

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**International Regulations**

**Ozone-depleting substances (ODS)** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

<b>16. Other information</b>
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**Revision Summary**

**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend SECTION 8: Exposure controls/personal protection**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

**Disclaimer**

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End of SDS