



Issue Date 11-01-2021

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Revision Number 1

## 1. Identification

### Product identifier

**Product name** Crystal Cut 465

### 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 Hazards**

**General Hazards** None known

## 3. Composition/information on ingredients

### Substance

Synthetic Fluid.

Chemical name	CAS-No	Weight-%
Ethylene oxide-Propylene oxide copolymer monobutyl ether	9038-95-3	5

#### 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, CO2 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** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

#### **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>	Clear
<b>Color</b>	Colorless
<b>Odor</b>	Mild
<b>Odor threshold</b>	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	9.1 - 9.4	
<b>Melting point / freezing point</b>	-	May begin to solidify at 0°C / 32°F
<b>Boiling point / boiling range</b>	100 °C / 212 °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>	< 0.1 mmHg @ 20 °C	
<b>Vapor pressure</b>	> 1	
<b>Relative Density</b>	1.05 - 1.08	
<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>	15 - 30 cSt @ 40 °C / 77 - 142 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><u>Other information</u></b>		
<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
Ethylene oxide-Propylene oxide copolymer monobutyl ether 9038-95-3	= 5 g/kg ( Rat ) = 12300 µL/kg ( Rat )	= 14100 µL/kg ( Rabbit ) > 20 mL/kg ( Rabbit )	= 147 mg/m <sup>3</sup> ( Rat ) 4 h

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity** OECD 404 - Non-irritating and non-corrosive (rabbit).

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

**Ecotoxicity** No unusual hazard.

### Persistence and degradability

**Persistence/Degradability** No information available.

### 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

## 16. Other information

**Issue Date** 11-01-2021

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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