



1. Identification of the Substance/Preparation and of the Company/Undertaking

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 the supplier of the safety data sheet

Manufacturer

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

Emergency telephone number

Emergency telephone number Chemtrec 1-800-424-9300 in US/Canada 1-613-996-6666 in Canada For international assistance, dial Chemtrec US number 1-703-527-3887

2. Hazards Identification

Prepared according to OSHA Hazard Communication Standard (29 CFR 1910.1200) and ANSI MSDS Standard (Z400.1). Complies with Canadian Workplace Hazardous Materials Information System (WHMIS) standards.

Classification

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

Label Elements

EMERGENCY OVERVIEW

None

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Golden

Physical state Liquid

Odor Mild

Hazards not otherwise classified (HNOC)

Other Information

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

3. Composition/information on Ingredients

Chemical Family Synthetic Fluid.

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

4. First aid measures

First aid measures

Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a physician if necessary.
Skin contact	Wash skin with soap and water. Consult a physician if necessary.
Inhalation	Remove to fresh air. Consult a physician if necessary.
Ingestion	Do NOT induce vomiting. Drink plenty of water. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

Not applicable.

Unsuitable extinguishing media Not applicable.

Specific hazards arising from the chemical

None.

Protective equipment and precautions for firefighters

Move containers from fire area if you can do it without risk.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions 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.

Environmental precautions

Environmental precautions No information 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 Clean-Up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take all appropriate steps to avoid contamination of ground water.

7. Handling and Storage

Precautions for safe handling

Handling Avoid contact with skin and eyes. Keep container in a well-ventilated place. Do not puncture, crush or incinerate containers.

Conditions for safe storage, including any incompatibilities

Storage	Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight. Keep away from heat.
Incompatible materials	Acids and oxidizing agents.

8. Exposure Controls/Personal Protection**Control parameters**

Exposure guidelines 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 ³	-	

Appropriate engineering controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection	Safety glasses with side-shields.
Skin and Body Protection	Use protective gloves and clothing if contact with product is likely.
Respiratory protection	If personal exposure levels cannot be maintained below accepted exposure limits, NIOSH/MSHA approved respiratory protection should be worn.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties**Information on basic physical and chemical properties**

Physical state	Liquid	Odor	Mild
Appearance	Golden	Odor threshold	No information available
Color	Golden		
Property	Values	Remarks • Method	
pH	9.6		
Melting point / freezing point	No information available		
Boiling point	93 °C / 199 °F		
Flash point	Not flammable		
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit	No unusual hazard		
Lower flammability limit	No unusual hazard		
Vapor pressure	No information available		
Vapor density	No information available		
Specific gravity	1.04		
Water solubility	Soluble in water		
Solubility in other solvents	No information available		
Partition coefficient	No information available		
Autoignition temperature	No unusual hazard		
Decomposition temperature	No unusual hazard		
Kinematic viscosity	3.1 cSt @ 40°C / 14 SUS @ 100°F		
Dynamic viscosity	No information available		
VOC Content, % Vol	Request additional information		

10. Stability and Reactivity

Reactivity

No unusual hazard

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal use conditions.

Hazardous polymerization

Hazardous polymerization does not occur.

Conditions to avoid

No additional remarks.

Incompatible materials

Acids and oxidizing agents.

Hazardous decomposition products

Carbon oxides.

11. Toxicological Information

Information on likely routes of exposure**Product Information****Inhalation** No unusual hazard.**Eye contact** No unusual hazard.**Skin contact** No unusual hazard.**Ingestion** No unusual hazard.

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

Information on toxicological effects**Symptoms** No information available.**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** Not expected to be a primary eye irritant.**Sensitization** No known effect.**Mutagenic Effects** No known effect.**Carcinogenicity** No information available.

Chemical name	ACGIH	IARC	NTP Carc	OSHA
Triethanolamine 102-71-6	Not Listed	Group 3		

Reproductive effects No known effect.**STOT - single exposure** No information available.**STOT - repeated exposure** No information available.**Chronic toxicity** No known effect.**Aspiration Hazard** No unusual hazard.**Numerical measures of toxicity - Product Information****Unknown acute toxicity** 6.521% of the mixture consists of ingredient(s) of unknown toxicity

12. Ecological Information

Ecotoxicity

7.121% of the mixture consists of component(s) of unknown hazards to the aquatic environment

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/Degradability

No information available

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

Other adverse effects

No additional remarks

13. Disposal Considerations

Waste treatment methods**Waste Disposal Method**

Dispose of in accordance with federal, state and local regulations.

Contaminated packaging

Do not reuse empty containers.

14. Transport Information

DOT

UN-No	Not regulated
Proper shipping name	Not regulated
Hazard Class	Not regulated
Packing group	Not regulated
Labels	Not regulated
Description	Not regulated

TDG

UN-No	Not regulated
Proper shipping name	Not regulated
Hazard Class	Not regulated
Packing group	Not regulated
Labels	Not regulated
Description	Not regulated

IMDG/IMO

UN-No	Not regulated
Proper shipping name	Not regulated
Hazard Class	Not regulated
Packing group	Not regulated
Labels	Not regulated
Description	Not regulated

ADR/RID

UN-No	Not regulated
Proper shipping name	Not regulated
Hazard Class	Not regulated
Packing group	Not regulated
ADR/RID-Labels	Not regulated
Description	Not regulated

IATA

UN-No	Not regulated
Proper shipping name	Not regulated
Hazard Class	Not regulated
Labels	Not regulated
Packing group	Not regulated
Description	Not regulated

PG* : Packing group

15. Regulatory information**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical name	CAS-No	Weight-%	SARA 313 - Threshold Values %
Triethanolamine - 102-71-6	102-71-6	4.95	

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

U.S. Regulations & Inventories**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

The table below lists any regulatory or inventory listing information found for ingredients of this product which are considered

hazardous. All other components are either listed on the TSCA inventory or are exempt from listing. See Section 16 for explanation of column headings.

Chemical name	New Jersey	Massachusetts	Pennsylvania
Triethanolamine 102-71-6	X	X	X

U.S. EPA Label information

EPA Pesticide registration number Not applicable

CANADA

16. Other information

NFPA HEALTH 1 Flammability 0 Instability 0 Physical hazard -
HMIS HEALTH 1 Flammability 0 Physical Hazards 0 Personal Protection -

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Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of SDS