



## MATERIAL SAFETY DATA SHEET

### 1. Identification of the Product and the Company

#### FREEZETROL 62

Zinkan Enterprises, Inc.

1919 Case Parkway North

Twinsburg, Ohio 44087

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Emergency Contact : Infotrac 1-800-535-5053

### 2. Composition/ Information On Ingredients

<u>Components</u>	<u>CAS Number</u>	<u>OSHA/PEL</u>	<u>ACGIH/TLV</u>	<u>Weight</u>
Glycerin	0056-81-5	15 mg/m <sup>3</sup> TWA (total dust); (respirable fraction) 5 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA	55%

### 3. Hazards Identification

*Spills will produce slippery surfaces*

### 4. First Aid Measures

<b>Inhalation:</b>	Remove to fresh air.
<b>Skin Contact:</b>	Wash off immediately with soap and water. Remove contaminated clothing
<b>Eye Contact:</b>	Rinse thoroughly with plenty of water. In case of persistent eye irritation, consult a physician
<b>Ingestion:</b>	Do <b>not</b> induce vomiting. Give 2-4 cups of water and get medical attention.

### 5. Fire-Fighting Measures

<b>Suitable extinguishing media:</b>	Water, foam, dry powder, Carbon dioxide(CO <sub>2</sub> )
<b>Special fire-fighting precautions:</b>	None.
<b>Protective equipment for firefighters:</b>	Self-contained breathing apparatus and protective clothing

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### 6. Accidental Release Measures

<b>Personal precautions:</b>	No special precautions required
<b>Environmental precautions:</b>	Flush small spills with water Recover large spills by vacuum Up.
<b>Methods for cleaning up:</b>	Flush with water Soak up with inert absorbent material If liquid has been spilled in large quantities clean up promptly by vacuum or pump.

### 7. Handling and Storage

<b>Handling:</b>	Avoid contact with skin and eyes Ensure there is adequate ventilation Do not smoke
<b>Storage:</b>	Keep container closed when not in use. Make sure there is adequate ventilation

### 8. Exposure Controls/ Personal Protection

<b>Engineering controls:</b>	Use local exhaust if misting occurs Natural ventilation is adequate in absence of mists.
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#### Personal Protection Equipment

<b>Respiratory Protection:</b>	In case of insufficient ventilation wear suitable respiratory equipment.
<b>Hand Protection:</b>	Rubber gloves.
<b>Eye Protection:</b>	Safety glasses with side-shields Do not wear contact lenses
<b>Skin Protection:</b>	Chemical resistant apron or suit if splashing of solution is likely
<b>Hygiene Measures:</b>	Wash hands before breaks and immediately after handling product. Handle in accordance with good industrial hygiene and safety practice.

### 9. Physical and Chemical Properties

<b>Form:</b>	Liquid.
<b>Color:</b>	Light Brown
<b>Odor:</b>	Slight sweet odor.
<b>Specific Gravity:</b>	1.125-1.14
<b>Melting Point (°C):</b>	Not applicable
<b>Flash Point (°C):</b>	Does not flash.
<b>Auto-ignition Temperature (°C):</b>	Does not ignite.
<b>Vapor Pressure (mm Hg):</b>	Same as water
<b>Water Solubility:</b>	Complete.

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### 10. Stability and Reactivity

<b>Stability:</b>	Product is stable, no hazardous polymerization will occur. Oxidizing agents may cause exothermic reactions.
<b>Hazardous Decomposition products:</b>	Thermal decomposition may produce: carbon oxides, nitrogen oxides (NO <sub>x</sub> ).

### 11. Toxicological Information

#### Acute Toxicity

<b>Oral:</b>	LD50/oral/rat > 27 g/kg.
<b>Dermal:</b>	The product is not expected to be toxic in contact with the skin. Rinse after exposure.
<b>Inhalation:</b>	The product is not expected to be toxic by inhalation

#### Irritation

<b>Skin:</b>	May cause skin irritation with susceptible persons.
<b>Eyes:</b>	May cause eye irritation with susceptible persons.
<b>Sensitization:</b>	The product is not expected to be sensitizing
<b>Chronic Toxicity:</b>	Prolonged skin contact may produce dermatitis.

### 12. Ecological Information

<b>Fish:</b>	LC50/goldfish/96 hr > 5000 mg/L (OECD 203) (Based on the toxicity of the components using the Conventional Method )
<b>Persistence/ Degradability:</b>	Not readily biodegradable

### 13. Disposal Considerations

<b>Waste From Residues/ Unused Products:</b>	Dispose in accordance with all federal, state and local regulations
<b>Contaminated Packaging:</b>	Rinse empty containers with water and use the rinse water to prepare the working solution. Can be land-filled or incinerated, when in compliance with local regulations

### 14. Transport Information

Coal treating compound Not regulated by DOT

NMFC: 50130 03

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### 15. Regulatory Information

All components of this product are on the TSCA and DSL inventories.

**RCRA status:** Not a hazardous waste.  
**Hazardous waste number:** Not applicable  
**Reportable Quantity:** Not applicable  
**Threshold Planning quantity:** Not applicable  
**Health & Safety Reporting List:** None of the chemicals are on the Health & Safety Reporting List.  
**Chemical Test Rules:** None of the chemicals in this product are under a Chemical Test Rule  
**Section 12b:** None of the chemicals are listed under TSCA Section 12b.  
**TSCA Significant New Use Rule:** None of the chemicals in this material have a SNUR under TSCA  
**SARA**

**Section 302 (RQ):** None of the chemicals in this material have an RQ

**Section 302 (TPQ):** None of the chemicals in this product have a TPQ

**SARA Codes:** CAS # 56-81-5: chronic

**Section 313:** No chemicals are reportable under Section 313.

**Clean Air Act:** This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

**Clean Water Act:** None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**OSHA:** None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE:** CAS# 56-81-5 can be found on the following state right to know lists: Pennsylvania, Minnesota, Massachusetts, California. No Significant Risk Level: None of the chemicals in this product are listed.

#### European/International Regulations

##### European Labeling in Accordance with EC Directives

**Hazard Symbols:** Not available

**Risk Phrases:** Not applicable

**Safety Phrases:** Not applicable

**WGK (Water Danger/Protection)** CAS# 56-81-5: 0

**Canada:** CAS# 56-81-5 is listed on Canada's DSL List. This product does not have a WHMIS classification. CAS# 56-81-5 is not listed on Canada's Ingredient Disclosure List.

**Exposure Limits:** CAS# 56-81-5: OEL-AUSTRALIA: TWA 10 mg/m<sup>3</sup> OEL  
-BELGIUM: TWA 10 mg/m<sup>3</sup> OEL-FINLAND: TWA 20 mg/m<sup>3</sup>  
OEL-FRANCE: TWA 10 mg/m<sup>3</sup> OEL-THE NETHERLANDS  
TWA 10 mg/m<sup>3</sup> OEL-UNITED KINGDOM: TWA 10 mg/m<sup>3</sup> OEL  
IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH  
TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check  
ACGIH/TLV

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### 15. Regulatory Information (continued)

HMIS & NFPA Ratings	HMIS	NFPA
Health:	1	1
Flammability:	0	0
Reactivity:	0	0
Personal Protection:	B	

### 16. Other Information

Person to contact: Regulatory Affairs Manager

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed to only be a guide for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered 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 materials or in any process unless specified in the text.