



*your partner in food safety*

## SDS Safety Data Sheet

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### 1) Product Identification

Product Name: Degrezer

Product Code: 100182

Recommended Use: A moderate foaming solvent and detergent package, for use both stand alone and as a component of BIRK.O's unique multi-product cleaning system.

Producer: Birko Corporation  
9152 Yosemite Street  
Henderson, CO 80640-8027

Contact Information: (303) 289-1090 or 1-800-525-0476

Emergency Number: CHEMTREC 1-800-424-9300

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### 2) Hazard(s) Identification

| Health   | Environmental                    | Physical                |
|--|----------------------------------|-------------------------|
| Acute Toxicity Cat. 5<br>Skin Corrosion Cat. 3<br>Eye Effects Cat. 2 | Aquatic Toxicity<br>Acute Cat. 4 | Flammable Liquid Cat. 3 |

**Labeling:****Symbol:****Signal Word: Danger****Flammable, Irritant**

**Hazard Statement(s):** May causes irreversible eye damage. Harmful or fatal if swallowed. Do not get into eyes, on skin, or on clothing.

**Precautionary Statement(s):** Use rubber gloves, protective splash-proof goggles, and protective clothing. Remove contaminated clothing and wash before re-use. Do not contaminate food, feed, or water. Keep container closed when not in use.

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**3) Composition/ Information on Ingredients**

| Name(s)              | Synonym(s) | CAS Number | Weight % |
|----------------------|------------|------------|----------|
| 1-Propoxy-2-Propanol |            | 1569-01-3  | < 40%    |

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**4) First-Aid Measures**

| Inhalation  | Skin Contact  | Eye Contact  | Ingestion  |
|---|---|--|--|
| Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention. | Wash with soap and water. Get medical attention if irritation develops or persists. | Flush eyes with water for 15 minutes. Get medical attention. | Do not induce vomiting. Give milk or water. Get immediate medical attention. |

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**5) Firefighting Measures**

**Suitable Extinguishing Media:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

**Unsuitable Extinguishing Media:** Solid water stream-may spread fire

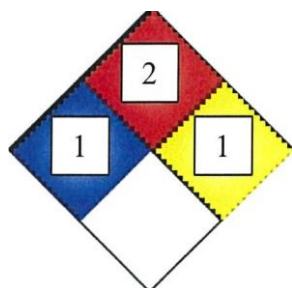
**Flashpoint and Method:** 130°F (TCC)

**Flammable Limits:** 1.3 to 16.9

**Specific Hazards:** Always wear self-contained breathing apparatus when fighting a chemical fire.

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**Special Protective Actions for Fire-Fighters:** Carbon Monoxide and Carbon Dioxide gases liberated during combustion. NOx liberated during combustion.



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## 6) Accidental Release Measures

**Personal Precautions:** Be sure to use all necessary Personal Protective Equipment

**Environmental Precautions:** Keep material out of storm sewers and ditches which lead to waterways.

Land spill: Spills and releases may have to be reported to Federal and/or local authorities. Air spill: Control or stop the loss of volatile materials to the atmosphere.

**Methods and Materials for Containment and Clean-Up:** For small spills: Absorb liquid and place in sealed container for disposal. Vapors can travel to an ignition source. Large Spills Absorb liquid and place in sealed container for disposal. Vapors can travel to an ignition source. Avoid runoff into storm sewers and ditches which lead to water ways. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. If this material is released into a work area, evacuate the area immediately. Caution: slip hazard, avoid walking on spilled surfaces.

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## 7) Handling and Storage

**Precautions for Safe Handling:** Use with sufficient ventilation to keep employee exposure below recommended limits. Provide adequate ventilation for storage, handling and use, especially for enclosed or low spaces. Avoid contact of liquid with eyes and prolonged skin exposure. Do not allow product to contact open flame or electrical heating elements.

**Conditions for Safe Storage:** Keep container closed when not in use. Store in a cool, dry location. Keep away from sources of ignition.

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## 8) Exposure Controls and Personal Protection

Appropriate Engineering Controls: Use only in a well ventilated area. Use explosion-proof ventilation equipment.

### Exposure Limits:

| Name (CAS-No.) | PEL | TLV |
|----------------|-----|-----|
|                |     |     |
|                |     |     |

### Personal Protective Equipment

| Eye/Face  | Clothing  | Gloves  |
|---|---|---|
|  |  |  |

Eye/Face: Safety glasses

Skin: Wear appropriate body covering clothing.

Gloves: Wear appropriate chemical resistant gloves.

Protective Material Types: Neoprene, butyl rubber, or vinyl gloves.

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## 9) Physical and Chemical Properties

Physical Form: Liquid

Appearance: Colorless to orange

Odor: Solvent

pH: 9.5

Melting Point: Not available

Freezing Point: - 10°F

Boiling Point: 212-220°F

Flash Point: 130°F (TCC)

Evaporation Rate: < 1

Flammability: Combustible

Upper/Lower Flammability or explosive limits: 1.3 to 16.9

Vapor Pressure: > 1

Vapor Density: > 1

Relative Density: Not established

Specific Gravity: 0.98

Solubility: 100%

Partition coefficient: Not available

Auto-Ignition Temperature: Not established

Decomposition Temperature: Not available

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## 10) Stability and Reactivity

Chemical Stability: Stable at normal temperatures and pressure.

Possibility of Hazardous Reactions: This product does not polymerize.

Conditions to Avoid: Heat, flame, other sources of ignition.

Materials to Avoid: *N/A*

Hazardous Decomposition Products: Carbon monoxide and Carbon dioxide. NO<sub>x</sub> liberated during combustion.

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## 11) Toxicological Information

Toxicity: Acute

| Test               | Results    | Basis        |
|--------------------|------------|--------------|
| LD50 Skin (rabbit) | 3818 mg/kg | Product test |
| LD50 Oral (rat)    | 2519 mg/kg | Product test |

Toxicity: Chronic

| Chemical Name | CAS# | Mutagen | Teratogen |
|---------------|------|---------|-----------|
|---------------|------|---------|-----------|

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Summary Comments: Acute: Mildly irritating to eyes, and skin.

## 12) Ecological Information

Toxicity:

| Test | Results |
|------|---------|
| NONE | NONE    |

Persistence and Degradability: No data

Bioaccumulative Potential: No data

Mobility in Soil: Not available

Other Adverse Effects: Not available

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## 13) Disposal Considerations

Disposal Method: Re-use or reprocess if possible. Dispose in accordance with all applicable regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): D002

## 14) Transport Information

UN Number: UN1993

UN Proper Shipping Name: Flammable Liquids, n.o.s., (Propylene Glycol n-Propyl Ether, Propylene Glycol Monobutyl Ether)

Transport Hazard Class (es): 3

Packing Group: II

Environmental Hazard(s): *NA*

Special Precautions for User: *NA*

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## 15) Regulatory Information

### US Regulations:

CERCLA Sections 102all03 Hazardous substances (40 CFR 302.4):

*N/A*

**SAP Title SAP Sections 311/312 Hazardous Categories (40 CFR 370.21): Fire Hazard**

Acute: Yes

Chronic: No

Fire: Yes

Reactive: No

Sudden Release: No

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### State Regulations:

California Proposition 65: This product is not listed.

### Canadian Regulations:

Controlled Products Regulations (CPR): This product has been classified in accordance with the criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the CPR.

WHMIS Classification: B

National Inventory Status: U.S. Inventory (TSCA): All the components of this substance are listed on or exempt from the inventory.

Canada Inventory (DSL/NDSL): All components of this product are listed on the DSL

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## Other Information

### HMIS

|   |                     |
|---|---------------------|
| 2 | FLAMMABILITY        |
| 1 | HEALTH              |
| 0 | REACTIVITY          |
| C | Personal Protection |

### Hazard Index

4-Severe  
3-Serious  
2-Moderate  
1-Slight  
0-Minimal

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





















































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10/8/2014

### Personal Protective Index

|  |   |   |
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| A   | E       | I       |
| B    | F      | J       |
| C       | G       | K       |
| D       | H      | X Ask your supervisor   |
|            |   |   |