

## SAFETY DATA SHEET

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| <b>SECTION 1</b> | <b>IDENTIFICATION</b> |
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**PRODUCT:**

Product Name: BLUE GIANT 100  
Product Description: Industrial Cleaner  
Intended Use: All Purpose Cleaner

**COMPANY IDENTIFICATION:**

Varouh Oil, Inc.  
970 Griswold Road  
Elyria, OH 44035  
440.324.5025

Transportation Emergency Phone: 800-424-9300 or 703-527-3887 CHEMTREC  
SDS Internet Address: <http://www.varouhoil.com>

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| <b>SECTION 2</b> | <b>HAZARDS IDENTIFICATION</b> |
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Appearance: Blue liquid

Physical State: Liquid

Odor: Sassafras fragrance

**Classification**

|                                   |            |
|-----------------------------------|------------|
| Skin corrosion/irritation         | Category 1 |
| Serious eye damage/eye irritation | Category 1 |

**SIGNAL WORD: DANGER**

**Hazard Statements**

Causes severe skin burns and eye damage

**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection



**Precautionary Statements – Response:**

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor/physician

**IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse

**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Immediately call a POISON CENTER or doctor/physician

**IF SWALLOWED:** rinse mouth. Do NOT induce vomiting

**Precautionary Statements – Storage:** Store locked up

**Precautionary Statements – Disposal:** Dispose of contents/container to an approved waste disposal plant

**Unknown Acute Toxicity:**

4% of the mixture consists of ingredients) of unknown toxicity

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| <b>SECTION 3</b> | <b>COMPOSITION / INFORMATION ON INGREDIENTS</b> |
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| <b>Chemical Name</b>         | <b>CAS No</b> | <b>Weight-%</b> |
|------------------------------|---------------|-----------------|
| Tetrapotassium pyrophosphate | 7320-34-5     | Proprietary     |

The specific chemical identity of this composition is being withheld as a trade secret.

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| <b>SECTION 4</b> | <b>FIRST AID MEASURES</b> |
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| <b>Eye Contact</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.                                  |
| <b>Skin Contact</b> | Wash off immediately with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation persists, call a physician. |
| <b>Inhalation</b>   | Remove to fresh air. Call a physician immediately.   |
| <b>Ingestion</b>    | Do not induce vomiting. Drink plenty of water or milk immediately. Seek medical attention.   |

**Most important symptoms and effects**

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| <b>Symptoms</b> | May cause eye burns and permanent eye damage. Prolonged contact may even cause severe skin irritation or mild burn. Skin contact may aggravate an existing dermatitis. May cause nausea, vomiting, stomach ache, and diarrhea. Mists or vapors may be mildly irritating to throat and respiratory tract. |
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**Indication of any immediate medical attention and special treatment needed**

|                           |                        |
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| <b>Notes to Physician</b> | Treat symptomatically. |
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| <b>SECTION 5</b> | <b>FIRE-FIGHTING MEASURES</b> |
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Suitable Extinguishing Media: Water spray (fog). Foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>).  
Unsuitable Extinguishing Media: Not determined.  
Specific Hazards Arising from the Chemical: Non-flammable solution.  
Hazardous Combustion Products: Carbon oxides. Nitrogen oxides (NO<sub>x</sub>). Oxides of sulfur.  
Protective equipment and precautions for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers exposed to fire with water.

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| <b>SECTION 6</b> | <b>ACCIDENTAL RELEASE MEASURES</b> |
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**Personal precautions, protective equipment and emergency procedures:**

Personal Precautions: Use personal protective equipment as required. Spills may be slippery. Take care to maintain footing.

Methods and material for containment and cleaning up:

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up: Wipe or soak up with absorbent material for disposal. Place collected waste in DOT approved containers for disposal. Contain large spills and pump into a suitable tank for disposal.

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| <b>SECTION 7</b> | <b>HANDLING AND STORAGE</b> |
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Precaution for safe handling:

Advice on Safe Handling: Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use personal protection recommended in Section 8. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities:

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep away from high heat and open flames.

Incompatible Materials: Strong oxidizing agents.

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| <b>SECTION 8</b> | <b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b> |
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| Chemical Name                                  | ACGIH TLV | OSHA PEL  | NIOSH IDLH |
|--|-----------|---|------------|
| Sodium metasilicate pentahydrate<br>10213-79-3 | -         | 15 mg/m <sup>3</sup> TWA (total dust); 5<br>mg/m <sup>3</sup> TWA (respirable fraction) | -          |

Appropriate engineering controls

Engineering Controls: Good mechanical ventilation may be adequate for maintaining airborne concentrations below established exposure limits. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection: Avoid contact with eyes. Risk of contact: Wear approved safety goggles.

Skin and Body Protection: Avoid contact with skin. Rubber gloves or vinyl gloves.

Respiratory Protection: If accumulation of mists, cartridge type respirator with organic cartridges.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

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| <b>SECTION 9</b> | <b>PHYSICAL AND CHEMICAL PROPERTIES</b> |
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|                              |                    |
|------------------------------|--------------------|
| Physical State               | Liquid             |
| Appearance                   | Blue liquid        |
| Color                        | Blue               |
| <b>Property</b>              | <b>Values</b>      |
| PH                           | 10.0               |
| Melting Point/Freezing Point | Not determined     |
| Boiling Point/Boiling Range  | 99° C/210° F       |
| Flash Point                  | None to boiling    |
| Evaporation Rate             | Not determined     |
| Flammability (Solid, Gas)    | n/a-liquid         |
| Upper Flammability Limits    | Not determined     |
| Lower Flammability Limit     | Not determined     |
| Vapor Pressure               | Not determined     |
| Vapor Density                | Not determined     |
| Specific Gravity             | 1.048              |
| Water Solubility             | Completely soluble |
| Solubility in other solvents | Not determined     |
| Partition Coefficient        | Not determined     |
| Autoignition Temperature     | Not determined     |
| Decomposition Temperature    | Not determined     |
| Kinematic Viscosity          | Not determined     |
| Dynamic Viscosity            | Not determined     |
| Explosive Properties         | Not determined     |
| Oxidizing Properties         | Not determined     |
| VOC Content (%)              | 3.2% (w/w)         |

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| <b>SECTION 10</b> | <b>STABILITY AND REACTIVITY</b> |
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**Reactivity**

Not reactive under normal conditions.

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: None under normal processing.

Hazardous Polymerization: ND

Conditions to Avoid: High heat or open flame.

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: Carbon oxides. Nitrogen oxides (NOx). Sulfur oxides.

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| <b>SECTION 11</b> | <b>TOXICOLOGICAL INFORMATION</b> |
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Eye Contact: Causes severe eye damage.

Skin Contact: Causes severe skin burns.

Inhalation: Avoid breathing vapors or mists

Ingestion: Do not taste or swallow.

| Chemical Name                                  | Oral LD50         | Dermal LD50         | Inhalation LC50 |
|--|-------------------|---------------------|-----------------|
| Alcohols, C9-11 ethoxylated<br>68439-46-3      | = 1378mg/kg (Rat) | >2g/kg (Rabbit)     | -               |
| Sodium metasilicate pentahydrate<br>10213-79-3 | 847 mg/Kg (rat)   | -                   | -               |
| Tetrapotassium pyrophosphate<br>7320-34-5      | -                 | >4640mg/kg (Rabbit) | "               |

Information on physical, chemical and toxicological effects

**Symptoms:** Please see section 4 of this SDS for symptoms.

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

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity: Not determined

**Unknown Acute Toxicity:** 4% of the mixture consists of ingredient(s) of unknown toxicity.

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| <b>SECTION 12</b> | <b>ECOLOGICAL INFORMATION</b> |
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Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

| Chemical Name                             | Algae/aquatic plants | Fish                                   | Toxicity to microorganisms | Crustacea                     |
|---|----------------------|--|----------------------------|-------------------------------|
| Tetrapotassium pyrophosphate<br>7320-34-5 |                      | 100:96 h Oncorhynchus mykiss mg/L LC50 |                            | 100:48 h water flea mg/L EC50 |

**Persistence/Degradability:** Not determined

**Bioaccumulation:** Not determined

**Mobility:** Not determined

**Other Adverse Effects:** Not determined

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| <b>SECTION 13</b> | <b>DISPOSAL CONSIDERATIONS</b> |
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**Waste Treatment Methods**

**Disposal of Wastes:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**SECTION 14**

**TRANSPOTATION INFORMATION**

**Note:** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT:** Not regulated  
**IATA:** Not regulated  
**IMDG:** Not regulated

**SECTION 15**

**REGULATORY INFORMATION**

**International Inventories:** Not determined

**US Federal Regulations**

**SARA 313:** Not determined

**US State Regulations**

**U.S. State Right-to-Know Regulations:** Not determined

**SECTION 16**

**OTHER INFORMATION**

**NFPA:** HEALTH HAZARDS: **1**  
FLAMMABILITY: **0**  
INSTABILITY: **NONE**  
SPECIAL HAZARDS: **NONE**

**HMIS:** HEALTH HAZARDS: **2**  
FLAMMABILITY: **0**  
PHYSICAL HAZARDS: **0**  
PERSONAL PROTECTION: **B**

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:  
Updates made in accordance with implementation of GHS requirements.

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