

**MATERIAL SAFETY DATA SHEET**  
**PRODUCT: Wonder Gel Stainless Steel Pickling Gel**

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**Section I**

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Manufacturer's Name: Bradford Derustit Corp.      **Emergency Telephone: 1-800-424-9300**  
PO Box 280      Telephone for Info: 1-877-899-5315  
Tualatin, OR 97062      Fax: 1-877-285-2080  
Date Prepared: 2/15/06      web: www.derustit.com

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**Section II – Hazardous Ingredients/Identity Information**

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HAZARDOUS COMPONENTS	OSHA PEL	ACGIH TLV	%	* SARA TITLE III REPORTING			
				302	304	312	313
CAS#      COMMON NAME							
7697-37-2      Nitric Acid	2ppm	2ppm	<=15	x	x	x	x
7664-39-3      Hydrofluoric Acid	3ppm	3ppm	<=4	x	x	x	x
12125-01-8      Ammonium Fluoride	NA	NA	<=3			x	
10124-37-5      Calcium Nitrate	NA	NA	<=30				

NA - Not Applicable

The ingredients listed above are subject to required reporting under (Superfund Amendments and Reauthorization Act)\*SARA Title III, the Emergency Planning & Community Right-To-Know Act. Sections 302, 304, 312 or 313 as indicated above. Contact the EPA (U.S. Environmental Agency) @ 312-353-2000 or your state emergency response agency for more specific information.

Agencies in the State of California have listed one or more of the above ingredients as cancer causing agents.

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**Section III – Physical/Chemical Characteristics**

**NA – Not Applicable**

Boiling Point: (Degrees F) 212 +/-2	Melting Point: NA	Specific Gravity: 1.2 +/-0.2
Vapor Pressure: (70 Degrees F) 20	Vapor Density: (Air=1)	Evaporation Rate: (Water = 1): 1
Solubility in Water: 70%	Appearance and Odor: Light green, acidic odor	

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**Section IV – Fire and Explosion Hazard Data**

**NFPA Rating: Health 1**

**Flammability 0 Reactivity 1**

**Flash Point** (Method Used): None      **Flammability Limits:** NA      **LEL:** NA      **UEL:** NA

**Extinguishing Media:** Water or water fog.

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus, eye and face protection, protective gloves and protective clothing when fighting fires.

**Unusual Fire and Explosion Hazards:** Reaction with metals may release hydrogen, which can form explosive mixtures with air. Thermal decomposition may form acid vapors, nitrogen compounds, sulfur dioxide, or other toxic materials.

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**Section V – Reactivity Data**

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Stability: Stable      Conditions to Avoid: None  
Incompatibility (Materials to avoid) Strong alkalis, reducing agents.  
Hazardous Decomposition or Byproducts: None  
Hazardous Polymerization: Will not appear.

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## Section VI – Health Hazard Data

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Routes of Entry: Inhalation: X

Skin: X

Ingestion: Not likely

**Health Hazards:** (Acute and Chronic)

- Eye irritant. Prolonged contact will damage the eyes and could cause permanent injury.
- Inhalation of fumes can cause irritation of respiratory system. Prolonged exposure could cause damage to nasal and passages.
- Skin irritation can occur from brief contact. Prolonged exposure can cause severe burns.
- Ingestion can cause irritation and burns to the mouth, throat and stomach.

**Carcinogenicity:** No NTP? NA (Agencies in California have listed ingredients as carcinogens.)

NTP: NA

LARC Monographs: NA

OSHA Regulated: NA

**Signs and symptoms of exposure:** Irritation to eyes, nose and mouth. Burning sensation to skin.**Medical conditions generally aggravated by exposure:** Pre-existing skin disorders, eye problems, skin and respiratory problems.**Emergency first aid procedures:**

- Eye or skin contact: Flush immediately with copious running water for at least 15 minutes. See physician and advice to treat for hydrofluoric acid exposure.
  - If ingested: DO NOT induce vomiting. Give large quantities of milk or water. Get immediate medical attention.
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## Section VII – Precautions for Safe Handling and Use

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**Steps to be taken in case material is released or spilled:**

- **Small spill:** Neutralize with sodium bicarbonate or 50/50 mixture of soda ash and slaked lime. Flush with water.
- **Large spill:** Wear protective equipment and clothing. Contain spill by diking with non-combustible absorbent material. Pump to salvage tank. Neutralize remainder with 50/50 mixture of soda ash and slaked lime. Scoop up neutralized mixture and wash site with soda ash solution. Report spills in accordance with governmental regulations.

**Waste disposal method:**

Neutralize to required pH (7.5-8.0) with calcium hydroxide, 2.2 pounds per gallon, full strength new solution is required. Dispose of neutralized waste in accordance with applicable government regulations.

**Precautions to be taken in handling and storing:**

Handle as any white label material. Wear protective equipment when handling. Do NOT wear contact lenses. In case of spill, remove and discard contaminated clothing and launder before reuse. Discard contaminated shoes.

**Other Precautions:**

Emptied containers may still contain product residues (liquid and vapor) and could be hazardous. Do not reuse. Dispose of in accordance with applicable government regulations.

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## Section VIII – Control Measures

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**Respiratory Protection** (Specify Type): Not needed IF adequate ventilation is provided. If needed, use self-contained breathing apparatus or supplied air respirator or other NIOSH approved respiratory device.

**Ventilation:** Local exhaust? Mechanical with hood.**Special:** NA**Mechanical** (General)? Not recommended.**Other?** NA**Protective Gloves:** Acid resisting worn.**Eye protection:** Chemical goggles and full-face piece respirator is worn.

**Other protective clothing or equipment:** Full rubber apron recommended. Depending on size of operation, acid resistant slicker suit with rubber boots may be advisable. Eye wash and shower should be readily available.

**Work/Hygienic Practices:** Do not reuse emptied containers. Clean spill immediately. Do not eat or keep food in work area. Wash hands before eating.