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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** Grez-Off®  
**Product Type:** Heavy Duty Degreaser  
**Product Trade Name:** 22700

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
PROPYLENE GLYCOL MONOBUTYL ETHER 5131-66-8	1-5	NA	NA
ETHOXYLATED C9-C11 ALCOHOLS 68439-46-3	1-5	NA	NA
2-PROPANOL 67-63-0	1-5	200 ppm	400 ppm; 980 mg/m <sup>3</sup>

### 3. HAZARDS IDENTIFICATION

**Effects of Acute Exposure:** May cause eye and skin irritation  
May irritate respiratory system upon frequent or prolonged use

**Primary Routes of Entry:** Eye and skin contact, inhalation

**Signs and Symptoms of Exposure:** Overexposure may cause eye and skin redness May cause inflammation of mucous membranes and irritation Ingestion may cause nausea and vomiting

**Medical Conditions Recognized as Being Aggravated by Exposure:** None known. Preexisting eye, skin and respiratory disorders may be aggravated by overexposure to this product.

**Chronic Health Hazard** None known

### 4. FIRST AID MEASURES

**Eye Contact:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Contact a physician if irritation persists.

**Skin Contact:** Immediately remove contaminated clothing and excess contaminant. Flush with water for at least 15 minutes. Wash thoroughly with soap and water. Consult a physician if irritation develops

**Ingestion:** If swallowed, DO NOT induce vomiting. Give victim water, call a physician immediately. Never give anything by mouth to an unconscious person

**Inhalation:** Move to fresh air; get medical attention if symptoms persist

**Notes to Physician:** Treat symptomatically

### 5. FIRE FIGHTING MEASURES

**Flash Point °F(C°):** 146°F/63.3°C TCC

**Recommended Extinguishing Media:** Foam, Carbon dioxide, Dry chemical

**Special Fire-Fighting Procedures:** Wear suitable protective equipment. Use water spray to cool exposed containers.

**Hazardous Products of Combustion:** Oxides of carbon, Oxides of nitrogen

**Product Name:** Grez-Off®

## 5. FIRE FIGHTING MEASURES

<b>Unusual Fire/Explosion Hazards:</b>	Does not sustain combustion (ASTM D4206).
<b>Sensitivity to Static Discharge:</b>	Sensitivity to static discharge is not expected
<b>Mechanical Sensitivity:</b>	None reasonably foreseeable
<b>Lower Explosive Limit:</b>	Not determined
<b>Upper Explosive Limit:</b>	Not determined

## 6. ACCIDENTAL RELEASE MEASURES

Spills may cause slippery floors. Prevent spill from entering drainage/sewer systems, waterways and surface water. Notify local health authorities and other appropriate agencies if such contamination occurs.

## 7. HANDLING AND STORAGE

Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Store below 100°F. Do not allow freezing.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Eyes:</b>	Safety glasses
<b>Skin:</b>	Chemical resistant gloves
<b>Ventilation:</b>	Use only in well ventilated area.
<b>Respiratory Protection:</b>	Not required under normal use

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Orange liquid	<b>Odor:</b>	Citrus
<b>Boiling Point:</b>	~212°F/~100°C	<b>Freezing Point:</b>	~32°F/ ~0°C
<b>pH:</b>	~12.4	<b>Solubility in Water:</b>	Completely soluble
<b>Specific Gravity:</b>	~1.013 g/ml	<b>Vapor Pressure:</b>	~18 mm Hg
<b>Vapor Density (Air=1):</b>	>1	<b>% Volatile:</b>	~91
<b>VOC(Wt.%):</b>	<4% by weight	<b>Evaporation Rate:</b>	<1 (butyl acetate = 1)

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable
<b>Hazardous Polymerization:</b>	Will not occur
<b>Incompatibilities:</b>	Strong oxidizers
<b>Hazardous Products of Combustion:</b>	Oxides of carbon, Oxides of nitrogen

## 11. TOXICOLOGICAL INFORMATION

### Product Toxicity

<b>Eyes:</b> No data available	<b>Skin:</b> No data available	<b>Inhalation LC50:</b> No data available	<b>Oral LD50:</b> No data available
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## 12. ECOLOGICAL INFORMATION

No data available

## 13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations.

## 14. TRANSPORTATION INFORMATION

### Ground Transport (DOT)

<b>DOT Shipping Name:</b>	Not Regulated
<b>Hazard Class:</b>	None
<b>UN/ID Number:</b>	None

### TDG(Transport of Dangerous Goods) Canada

<b>Proper Shipping Name:</b>	Not Regulated
<b>Hazard Class:</b>	None
<b>UN/ID No:</b>	None

**Product Name:** Grez-Off®

## 15. REGULATORY INFORMATION

**SARA 302 Extremely Hazardous Substances:** None  
**SARA 313 Toxic Chemicals:** None  
**SARA (311, 312) Hazard Class:** Acute health hazard

**TSCA Inventory Status:** All components of this product are listed (or exempt) on the EPA TSCA inventory.

**California Proposition 65:** No California Prop 65 chemicals are known to be present.

**WHMIS Hazard Class:** D2B TOXIC MATERIALS - IRRITANT

## 16. OTHER INFORMATION

HEALTH 1, FLAMMABILITY 0, PHYSICAL HAZARD 0, PERSONAL PROTECTION B  
HMIS is a registered trademark of the National Paint and Coatings Assn.

**Estimated NFPA Rating:**  
HEALTH 1, FLAMMABILITY 0, REACTIVITY 0  
NFPA is a registered trademark of the National Fire Protection Assn.

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