



## Safety Data Sheet

HMIS Ratings	
Health	3
Flammability	0
Reactivity	0
Protection	B

### Red Fury Degreaser 9D401G | 9D401G5 | 9D401G55

## Section 1: Identification

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<b>Product Name:</b>	Red Fury Degreaser
<b>Product Use:</b>	Automotive Reconditioning Product
<b>Restrictions on Use:</b>	For automotive use only.
<b>Manufactured for:</b>	Petra Oil Company 6100 West by Northwest Blvd., Suite 190 Houston, TX 77040
<b>Phone Number:</b>	(713) 856-5700
<b>Fax Number:</b>	(713) 856-5712
<b>Emergency Phone:</b>	CHEMTREC 1-800-424-9300 For International Calls: (703) 527-3887

## Section 2: Hazard Identification

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<b>Hazard Class:</b>	Corrosion Category 1, Skin Corrosive Category 1, Eye Corrosive Category 1, Acute Target Organ Toxicity Category 3.
<b>Signal Word(s):</b>	Danger
<b>Hazard Statement:</b>	May be corrosive to metals. Causes severe skin burns and serious eye damage. Ingestion may result in severe burns of the GI tract. May cause respiratory irritation.

**Pictogram Classes:**



**Precautionary Measures:** Store in corrosion resistant container. Wear eye, skin, and respiratory protection. Do not breathe dusts or mists. Wash thoroughly after handling. Store tightly closed and locked up in well ventilated area. Use only outdoors or in well ventilated area.

**Miscellaneous Hazards:** N/A

## Section 3: Composition/Information on Ingredients

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Chemical Name	CAS Number	Concentration (Wgt.%)
Ethanol, 2-butoxy-STP	111-76-2	0-5
Sodium Hydroxide	7758-29-4	1-10
Alcohol Ethoxylate	1310-73-2	1-10
Non-hazardous and other ingredients below reportable levels	68439-46-3	2-10
	Proprietary	65-95

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Total Ingredients: 100%  
Exact Percentages are withheld as a trade secret.

## Section 4: First Aid Measures

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**Skin Contact** Immediately remove all contaminated clothes and rinse skin with water. Wash clothing before reuse. Call a poison center or doctor and get immediate medical attention.

**Eye Contact** Rinse cautiously with water for several minutes. Remove contact lenses if present/able. Continue rinsing. Seek medical attention at once.

**Inhalation** Move person to non-contaminated air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention or advice.

**Ingestion** If the material is swallowed, rinse out the mouth and do not induce vomiting. Call a poison center or doctor and get immediate medical attention. Give several glasses of water or milk.

**Notes for Immediate Care / Physician** N/A

## Section 5: Fire Fighting Measures

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**Hazardous Combustion Products:**

Carbon Monoxide, carbon dioxide, and other hydrocarbon fragments.

**Extinguishing Media:**

Any media suitable for surrounding fires.

**General Fire Hazards:**

Not a fire hazard.

**Fire Fighting Equipment and Instructions:**

Firefighters should wear full protective gear.

## Section 6: Accidental Release Measures

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**Personal Protection/PPE:**

Wear mask, gloves, safety glasses or goggles, and an apron to avoid inhalation and skin and eye contact.

**Emergency Procedures:**

Ensure ventilation to avoid inhalation. Avoid skin contact to prevent corrosive burns. Keep away from metals as able to avoid corrosive reactions.

**Containment Procedures:**

Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand, diatomaceous earth, commercial sorbents, or recover using pumps.

**Cleanup Procedures:**

Absorb spill with inert material. Shovel material into appropriate container for disposal.

## Section 7: Handling and Storage

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**Handling Procedures:**

Avoid prolonged or repeated skin contact with this material.

**Storage Procedures:**

Keep the container tightly closed. Do not freeze. Keep away from metals.

## Section 8: Exposure Controls/Personal Protection

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Chemical	CAS Number	PEL-OSHA	Exposure Limits	
			TLV-ACGIH	Carcinogen
Ethanol, 2-butoxy-	111-76-2	25 ppm	20 ppm	No
STP	7758-29-4	N/A	N/A	No
Sodium Hydroxide	1310-73-2	2 mg/m <sup>3</sup> C	2 mg/m <sup>3</sup>	No
Alcohol Ethoxylate	68439-46-3	N/A	N/A	No
Non-hazardous and other	Proprietary	N/A	N/A	N/A

ingredients below reportable levels				
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**Engineering Controls:**

Use local exhaust ventilation.

**Personal Protective Equipment:**

**Eyes/Face:**

Wear chemical goggles.

**Skin:**

Use impervious gloves. Use of impervious apron and boots are recommended.

**Respiratory:**

If ventilation is not sufficient to effectively prevent buildup of vapor/mist/fume/dust, appropriate NIOSH/MSHA respiratory protection must be provided.

**General:**

Use good hygiene practices when handling this material, including changing and laundering work clothes after use. Discard contaminated shoes and leather goods.

## Section 9: Physical and Chemical Properties

<b>Appearance:</b>	Red liquid
<b>Flammability Limits:</b>	Not applicable.
<b>Explosive Limits:</b>	Not applicable.
<b>Odor:</b>	Strong detergent odor
<b>Odor Threshold:</b>	Not available.
<b>Vapor Density:</b>	>1
<b>Vapor Pressure:</b>	< 20 mm/Hg
<b>pH:</b>	>13.5
<b>Relative Density:</b>	1.07
<b>Melting Point:</b>	32°F
<b>Solubility:</b>	Soluble in water.
<b>Initial Boiling Point/Boiling Range:</b>	212°F
<b>Flash Point:</b>	Not applicable.
<b>Autoignition Temperature:</b>	Not available.
<b>Evaporation Rate:</b>	Slower than ether
<b>Partition Coefficient (n-octanol/water):</b>	Not available.
<b>Decomposition Temperature:</b>	Not available.
<b>Viscosity:</b>	Not available.

## Section 10: Stability and Reactivity

**Reactivity:**

Will react with strong oxidizing agents and strong acids. Product contains strong base. Will react with metals.

**Chemical Stability:**

This is a stable material.

**Hazardous Decomposition:**

Hazardous combustion products may include carbon monoxide, carbon dioxide, and other hydrocarbon fragments.

**Hazardous Polymerization:**

Will not occur.

**Incompatible Materials:**

Strong oxidizing agents (peroxides, chlorine, strong acids). Strong acids. Metals.

**Conditions Leading to Hazard:**

Storage at temperatures approaching or exceeding 120°F, allowing product to freeze, storage with strong oxidizers or acids. Storage in or with metals.

## Section 11: Toxicological Information

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**Acute Toxicity Estimate – Oral:** >5000 mg/kg

**Acute Toxicity Estimate – Dermal:** >5000 mg/kg

**Reproductive Toxicity/Germ Cell Mutagenicity:** No ingredients with positive in vivo tests.

**Skin/Inhalation Sensitization:** This product is not expected to cause sensitization.

**Carcinogenicity:** No carcinogenic components.

## Section 12: Ecological Information

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Existing Structure Activity Relationship (SAR) and Experimental data on the components of this product indicate no Acute or Chronic categorization. Bioaccumulation and other routes of aquatic contamination have insufficient data to be considered, but are not expected to be contributory.

None of the components of this product are listed in the Montreal Protocol or its Amendments.

## Section 13: Disposal Concerns

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Dispose of waste material in accordance with Local, State, Federal, and Provincial Environmental Regulations.

## Section 14: Transport Information

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**US DOT, IMDG, IATA, and International HMR Information**

**Proper Shipping Name:** Caustic alkali liquids, N.O.S. (Sodium Hydroxide)

**Identification Number:** UN1719

**Packaging Group:** II

**Hazard Class:** 8

## **Section 15: Regulatory Information**

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### **US Federal Regulations**

#### **CERCLA/SARA – Section 313 – Emission Reporting**

2-Butoxyethanol

### **State Regulations**

#### **California – Proposition 65 – Carcinogens List**

None.

## **Section 16: Other Information**

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### **Disclaimer:**

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. However, SDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by the vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

**Prepared By** Technical Department