Rough Rider II

Heavy Duty Cleaner/Degreaser

DESCRIPTION

"Old Salty" ***Rough Rider II*** is famous for being able to do it all. If you could only have one product on your boat, ***Rough Rider II*** **would** be the one to choose! Formulated with biodegradable ingredients to quickly remove grease, oil, wax, carbon, ink and many other soils. Here are just some of its many applications:

- Engines & Wheels	- Floors & Walls	- Decks & Driveways
- Tires	- Equipment	- Shower Enclosures
- Auto Boat Interiors	- Concrete Floors	- Canopies
- Ovens & Vents	- Laundry Pre-Spray	- Bilge Cleaner

SPECIAL INFORMATION

Rough Rider II is a Canadian Food Inspection Agency (CFIA) approved product for use in registered food processing plants. Surfaces in direct food contact must be rinsed with potable water.

Rough Rider II **is** also BC Kosher approved.

DIRECTIONS

Rough Rider II is designed as a multi-purpose cleaner. It has the strength for heavy duty cleaning, but may also be properly diluted to clean medium and lighter duty soils as well. Dilute ***Rough Rider II*** with hot or cold water and apply solutions to the surface for 1 to 3 minutes. Heavy soils may require scrubbing. Wipe or rinse off. Repeat as needed. Always spot test on a hidden area first where there is concern of color or surface change on painted, fabric or soft metal surfaces.

Engine Degreaser:
Dilute 25 oz per US gallon of water (200 ml/litre) (1:5).

Heavy Duty Cleaning:
Dilute 13 oz per US gallon of water (100 ml/litre) (1:10).

Medium Duty Cleaning:
Dilute 4.5 oz per US gallon of water (33 ml/litre) (1:30).

Light Duty Cleaning:
Dilute 1.6 oz per US gallon of water (13 ml/litre) (1:80)

All Purpose Spray & Wipe Cleaner:
Dilute 6.4 oz per US gallon of water (50 ml/litre) (1:20).

PHYSICAL DATA

Appearance	Clear liquid
Color	Pink
Foam	Medium to high
Odor	Lemon
pH	12.5 - 13.5

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **ROUGH RIDER II**

WHMIS CODE: E, D2B
Proper Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (potassium hydroxide, sodium metasilicate)
Hazard Class: Class 8, P.G. II
UN Number: UN 3266

Product Use: *Multipurpose cleaner degreaser.*

HMIS	
3	Health
0	Flammability
0	Reactivity
B	Personal

A=Goggles, B=Goggles & Gloves
C=Goggles, Gloves and Apron

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ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
ETHYLENE GLYCOL MONOBUTYLETHER	111-76-2	5.0-10	No Data	25 ppm TWA

Exposure Limit Skin: 25 ppm.
The above item is reported per 40 CFR 372, Section 313 of Emergency Planning & Community Right-To-Know Act of 1986.
LD50 (oral rat) 1746 mg/kg
LD50 (dermal) 435 mg/kg (rabbit)
LC50 700 ppm, 7hr. (mouse)

SODIUM METASILICATE	6834-92-0	1.0-5.0	No Data	No Data

LD50 (oral rat) 1153 mg/kg
LD50 (dermal) Not Available
LC50 Not Available

POTASSIUM HYDROXIDE	1310-58-3	1.0-5.0	N/A	2 ppm

LD50 (oral rat) 273 mg/kg
LD50 (dermal) Not Available
LC50 Not Available

TRIETHANOLAMINE	102-71-6	1.0-5.0	N/D	5 mg/m3 TWA

ALARA (As Low As Reasonably Achievable): 5 mg/m3 - Exposure limits for British Columbia
LD50 (oral rat) 8000 mg/kg
LD50 (dermal) > 20 mg/kg
LC50 No Data

SECTION 3 – PHYSICAL DATA

Color and Odor: Clear pink, characteristic odor.
Physical State: Liquid.
Coeff. Water/Oil Dist: Greater than 1.0
Boiling Point: N/D
Melting Point: N/A
Evaporation Rate: N/D
Vapor Pressure (mm HG): N/D
Vapor Density: N/D
Solubility in Water: Soluble
pH: 13.0 - 14.0
Specific Gravity: 1.042 @ 20°C
Odor Threshold: No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None to 100°C (TCC)
Flammable Limits: None known.
Conditions of Flammability: None.
Sensitivity to Mechanical Impact: None.
Sensitivity to Static Discharge: None.
Extinguishing Media: Not flammable.
Auto ignition Temperature: None known.
Unusual Fire and Explosion Hazards: Flammable hydrogen gas may liberate upon prolonged contact with sensitive metals (i.e. aluminum, zinc, etc.).
Hazardous Combustion Products: Oxides of carbon, phosphorus, and other unidentifiable organic compounds.
Special Fire Fighting: Wear full protective equipment, including a NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situations. Use water spray to cool all nearby fire exposed surfaces.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable under normal storage conditions.
Hazardous Polymerization: Will not Occur.
Incompatibility (material to avoid): Strong oxidizers and acids.
Hazardous Decomposition Products: Oxides of carbon, phosphorus, and other unidentifiable organic compounds.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient.
Routes of Entry: skin and eye contact, and inhalation. **Sensitization:** None known.
Irritancy of Product: Corrosive to skin, eyes and respiratory system.
Name of Toxicological Synergistic Product: None known.
Teratogenicity: None known.
Reproductive Toxicity: None known.
Carcinogenicity: None known.
Mutagencity: None known.
Effects of Chronic Exposure: Prolonged or repeated exposure may cause allergic skin reaction, skin irritation, or dermatitis, respiratory disorder and may also cause blood disorders through skin absorption of ethylene glycol monobutyl ether (based on animal test data).
Effects of Acute Exposure to Product: Product exposure may burn eyes and irritate or burn skin. Prolonged inhalation of vapors or mists may cause breathing problems, headaches and nausea. Also, may be harmful is absorbed through skin. Ingestion may cause gastro-intestinal and abdominal discomfort, and symptoms similar to inhalation.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: If product is misted or sprayed, or used in a confined area, use a NIOSH/MSHA approved dust/mist respirator.
Ventilation: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Protective Gloves: Natural or butyl rubber, nitrile or neoprene gloves.
Eye Protection: Chemical goggles, safety goggles or face shield.
Protective Clothing and Equipment: Long sleeve coveralls. Eye wash recommended in the immediate work area.
Storage and Handling Procedures: Use good industrial hygiene. Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing sprays or mists. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with any other chemicals. Store at temperatures below 30°C (86°F) and keep from freezing.
Disposal Procedures for Spills or Leaks: Wear protective equipment. Dike and contain large spills. Pump spills into an approved waste container. For small spills, soak up with a suitable absorbent such as clay, soil or commercially available absorbents, and then dispose of into an approved waste container. Keep away from sewers and out of natural waters.
Waste Disposal Method: Reuse if possible, or otherwise dispose recovered material in accordance with all local, Provincial or Federal Regulations.
Special Shipping Information: Store at temperatures below 30°C (86°F) and keep from freezing.

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid: If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division PHONE: 604-526-5655 LAST UPDATE: 07/04/11