

GROAP, Inc.

423 Little York Rd, Houston TX, 77076

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name: GROAP Rig Wash
Product Use: Heavy duty cleaner and degreaser for use in oil and gas industry
Telephone Number: USA: Toll Free 1-888-99-GROAP (1-888-994-7627)
Long Distance (713) 699 4700
International: +1 713 699 4700
Prepared On: 21st May, 2012

2. Composition/Information on Ingredients

Ingredient	CAS No.	Percent
Polyethylene glycol monododecyl ether	9002-92-0 (Alternate 3055-97-8)	0-10%
Potassium caprylate	764-71-6	0-10%

Other ingredients not hazardous as per OSHA guidelines in 29 CFR 1910.1200.

Exposure limits:

No exposure limits (PEL or TLV) have been established by OSHA for CAS #'s 9002-92-0 or 764-71-6.

3. Hazards Identification

Emergency Overview

Not expected to cause any acute or chronic health effects.

HMIS Rating: Health: 1 Flammability: 0 Reactivity: 0
NFPA Rating: Health: 1 Flammability: 0 Reactivity: 0

Potential Acute Health Effects

Inhalation: Not expected to cause any irritation to respiratory tract.

Ingestion: Not expected to cause any irritation to gastrointestinal tract.

Skin Contact: Not expected to be a skin irritant.

Eye Contact: Not expected to be an eye irritant.

Potential Chronic Health Effects

Aggravation of Pre-existing Conditions: None expected.

4. First Aid Measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: If swallowed, DO NOT INDUCE VOMITING. Rinse mouth with water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Seek medical attention if skin irritation or other symptoms persist.

Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

5. Fire Fighting Measures

Fire: This product will not support combustion.

Explosion: This product is not considered to be an explosion hazard.

Fire Extinguishing Media: Use water spray, dry chemical, foam or carbon dioxide.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. May emit oxides of carbon.

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

No exposure limits have been established for any of the ingredients in this product.

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Other Engineering Controls: Safety shower and eye bath.

Personal Respirators (NIOSH Approved): If the exposure limit is exceeded and engineering controls are not feasible, a full face piece respirator with an organic vapor/mist cartridge may be worn up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not

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known, use a full-face piece positive-pressure, air-supplied respirator. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear impervious protective clothing, including boots, rubber gloves, lab coat, apron or coveralls as needed to prevent skin contact.

Eye Protection: Use chemical safety goggles and/or full face shield where splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance:	Cloudy liquid, opaque white in color.
Odor:	Mild odor of soap and vegetable oils.
Solubility:	Soluble in water 100%.
Specific Gravity:	1.01
pH:	5.6-6.5 (at full product strength)
% Volatiles by volume @ 21C (70F):	Not determined
Boiling Point:	> 212°F
Flash Point:	Not determined
Melting Point:	Not determined
Vapor Density (Air=1):	Not determined
Vapor Pressure (mm Hg):	Not determined
Evaporation Rate:	Not determined

10. Stability and Reactivity

Stability: Stable over long periods of time.

Hazardous Decomposition Products: Will emit oxides of carbon (carbon monoxide, carbon dioxide) upon combustion. Will only decompose if surrounded by combustion caused by other substances.

Hazardous Polymerization: Will not occur.

Incompatibilities: None.

Conditions to Avoid: None.

11. Toxicological Information

Carcinogenicity: None of the ingredients are listed by ACGIH, IARC, NTP or OSHA.

12. Ecological Information

Environmental Fate:	No information found.
Environmental Toxicity:	No information found.

13. Disposal Considerations

Avoid uncontrolled releases. Do not flush to sewer. Contain and recover spilled product where possible. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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14. Transport Information

Not regulated for DOT purposes.

15. Regulatory Information

OSHA:

This product meets the criteria for classification as a hazardous substance as defined in the hazard communication standard (29 CFR 1910.1200).

NATIONAL INVENTORY:

All components are listed on the TSCA Inventory.

SARA Codes:

Section 302 (RQ) - None

Section 302 (TPQ) – None

Section 313 – no chemicals are reportable under Section 313

Clean Water Act: No ingredients listed as hazardous substances. None of the chemicals in this product are listed as Priority Pollutants or Toxic Pollutants under the Clean Waters Act.

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

16. Other Information

NFPA Ratings: Health: 1 Flammability: 0 Reactivity: 0

Revision Information: First issued, 21st May, 2011.

Disclaimer: GROAP, Inc. and its manufacturer provide the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. GROAP, Inc. makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, GROAP, Inc. will not be responsible for damages of any kind resulting from use of or reliance upon this information and no claim of any kind shall be greater in amount than the price of the product in respect of which damages may be claimed.