

SAFETY DATA SHEET

CL-345 Rig Wash

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name: CL-345 Rig Wash **SDS Revision:** 001GHS

Distributor: Appalachian Drilling Services, Inc.
105 Industrial Park Road
Beech Creek, PA 16822
United States

Telephone: 570-907-0136

Telefax: 570-907-0146

Emergency telephone number: ChemTrec 800-424-9300

Product class: Cleaner

2. HAZARDS IDENTIFICATION

Form: Liquid

Color: Clear, yellow

Odor: Orange

Potential Health Effects:

Primary routes of entry: Eye contact, skin contact, ingestion, and inhalation of product mists.

Target organs: Eye, skin, and mucous membranes.

Medical conditions aggravated by exposure: Conditions of the eye, skin, and respiratory tract maybe aggravated by exposure to this product.

Eye: Contact causes eye irritation and burns. Tearing, redness, swelling, pain, impaired vision, and/or tissue damage may occur. Damage may be permanent

Skin: Contact causes skin irritation. If product is not removed promptly, burns will occur. Soreness, redness, and destruction of skin may result. There may be a delay between the time of exposure and when the sense of irritation begins.

Inhalation: This product is not expected to present an inhalation hazard unless mists or aerosols are produced and inhaled. If mists or aerosols are inhaled, irritation and possibly burns of the respiratory tract will occur. Symptoms may include coughing, sneezing, runny nose, and sore throat. Greater exposures may result in lung damage.

Ingestion: Ingestion of this product causes irritation and burns of the mucous membranes of the mouth, esophagus, stomach, and intestine. Perforation of the esophagus and/or stomach may occur. Abdominal pain, nausea, vomiting, and general gastrointestinal upset can be expected.

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HAZARDS IDENTIFICATION CONT.

Subchronic, chronic: No information was found for this product. Available information on components follows:
Prolonged contact with dilute solutions or mists of the product component, sodium hydroxide, has a destructive effect on tissues.

Carcinogenicity:

NTP: No ingredients listed in this section

IARC: No ingredients listed in this section

OSHA: No ingredients listed in this section

ACGIH: No ingredient listed in this section

3. COMPOSITION / INFORMATION OF INGREDIENTS

Chemical Name	CAS Number	Weight %	OSHA PEL	ACGIH TLV
1-Butoxy-propanol	5131-66-8	2-5	No established limits	No established limits
Sodium hydroxide	1310-73-2	1-3	Ceiling: 2mg/m ³	Ceiling: 2 mg/m ³

4. FIRST AID MEASURES

Inhalation: If inhalation occurs, remove victim to fresh air. If breathing stops, give artificial respiration. If breathing is difficult, have a trained medical person administer oxygen. Seek medical aid.

Skin: Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing. Seek medical aid. Wash clothing before reuse.

Eye: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eye lids to ensure complete rinsing. Seek medical attention immediately.

Ingestion: If swallowed, do NOT induce vomiting. If victim is conscious and alert, give large quantities of water. Seek medical aid immediately. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Extinguishing media: Use extinguishing media appropriate for the surrounding fire.

Flash point: Not applicable.

Autoignition temperature: Not applicable.

Flammable limits: Not applicable.

Fire fighting instructions: Exercise caution when fighting any chemical fire. A self-contained breathing apparatus and protective clothing are essential.

Fire and explosion hazards: None.

Decomposition products: Thermal decomposition or combustion may produce oxides of sulfur, sodium, carbon, and nitrogen.

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6. ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled: Wear protective clothing and equipment as specified in Section 8. Ventilate the area of the spill. Contain the spill if it is safe to do so. Keep unnecessary and unprotected people away from the area of the spill. Recover as much liquid as possible. Do not flush caustic residues to the sewer. Absorb residue on clay, vermiculite, or other inert substance and package in a suitable container for disposal. Dispose of recovered product, if unusable, and used absorbent according to federal, state, and local regulations.

US Regulations (CERCLA) require the reporting of 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

Handling: Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Use with adequate ventilation. Wash thoroughly after handling. Keep containers closed when not in use. Always add caustic solutions to water, while stirring, and never the reverse. Do not mix with acids.

Storage: Store product in a cool, dry, well-ventilated area away from incompatible materials. Protect product containers from physical damage. Since empty containers retain product residues (vapors, liquid), observe all warnings and precautions listed for the product. Aluminum is not recommended for storage and handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use local and/or general exhaust ventilation to maintain airborne concentrations below irritating levels or airborne exposure limits, whichever is lower. Local exhaust is generally preferred because it can control the emission 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, the most recent edition, for details.

Personal Protective Equipment for Routine Handling

Eyes: The use of safety glasses is recommended.

Skin: Chemical resistant gloves and impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory: If airborne concentrations exceed published exposure limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements (29 CFR 1910.134).

Work practices: An eye wash station and safety shower should be accessible in the immediate area of use.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid

Color: Clear, yellow

Odor: Orange

pH: 12.5

Specific gravity: 1.10-1.15 g/mL

Freeze point: Not available.

Boiling point: 212F

Vapor pressure: Not available.

Vapor Density: Not available.

Solubility in water: Complete.

Flash point: Not applicable.

Auto-ignition temperature: Not applicable.

Flammable limits: Not applicable.

10. STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.

Hazardous polymerization: Hazardous polymerization will not occur.

Conditions to avoid: Temperature extremes and incompatibles.

Incompatibilities: Strong acids, oxidizers.

Decomposition products: Thermal decomposition or combustion may produce oxides sodium, carbon, and nitrogen and sulfur.

11. TOXICOLOGICAL INFORMATION

On ingredients:

Test Material	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
1-Butoxy-propanol	5009 mg/kg	Not available	Not available
Sodium hydroxide	140-340 mg/Kg	1,350 mg/Kg	Not available

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12. ECOLOGICAL INFORMATION

On ingredients:

Test Materials	Aquatic Toxicity Data
1-Butoxy-propanol	Not available
Sodium hydroxide	96 hr LC50 (Bluegill sunfish): 43 mg/L 96 hr LC50 (Trout): 260 mg/L

13. DISPOSAL CONSIDERATIONS

RCRA Status: Discarded product, as sold, would not be considered a RCRA Hazardous Waste based on the characteristic of corrosivity.

Disposal: Dispose of in accordance with local, state, and federal regulations.

14. TRANSPORTATION REGULATIONS

DOT classification: Not considered hazardous.

Proper shipping name:
Primary Hazard Class/Division:
UN Number:
Packing Group:
Label:

15. REGULATORY INFORMATION

OSHA Hazard Communication Status: Hazardous

TSCA: The ingredients of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA: EPA Hazardous Substances (40 CFR 302):

Chemical Name	CERCLA Reportable Quantity (RQ)
Sodium hydroxide	1,000 lb
Product	20,000 lb (Notify the EPA of spills exceeding this amount.)

SARA TITLE III (Sections 302, 311, 312, and 313):

Section 302 Extremely Hazardous Substances (40 CFR 355):

Chemical Name	CAS#	RQ	TPQ
None			

Section 311 and 312 Health and Physical Hazards:

Immediate	Delayed	Fire	Pressure	Reactivity
yes	yes	no	no	no

Section 313 Toxic Chemicals (40 CFR 372):

Chemical Name	CAS Number	Percent by Weight
None		

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16. OTHER INFORMATION

NFPA:

Health: 2
Flammability: 0
Instability: 0

Note: NFPA = National Fire Protection Agency



HMIS:

Health: 2
Flammability: 0
Reactivity: 0

Hazard Rating Scale: 0=Minimal; 1=Slight; 2=Moderate; 3=Serious; 4=Severe

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Revised February 2, 2015, S. Bowser

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