

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

SECTION 1. IDENTIFICATION

Product Identifier: RC D&D 3 Casing Scrubber	Product Identification # (PIF): 02263
Product Use Casing Scrubber	Emergency Telephone #: 1-800-424-9300
Manufactured for/Distributed by: Rig-Chem, LLC	General Information #: 985-873-7208
132 Thompson Road	Prepared by: Sonya Lockhart
Houma, LA 70363	Date Prepared: September 27, 2013
	Revised: November 18, 2014

SECTION 2. HAZARD(S) IDENTIFICATION

HMIS Ratings: Health 2, Fire 1, Reactivity 0 (scale 0 – 4)



Signal Word: WARNING

Hazard Class	Category	Code	Hazard Statement
STOT, SE; Narcotic Effects	3	H336	May cause drowsiness or dizziness

- Product VOC: 4%
- Liquid and vapor may cause eye irritation.
- May be irritating to the skin. Repeated/prolonged exposure may cause dermatitis.
- Severe overexposure may cause red blood cell damage.

Precautionary	Code	Statement
General	P101 P102 P103	If medical advice is needed, have product label at hand. Keep out of reach of children. Read label before use.
Prevention	P261 P271	Avoid breathing fumes/mists/vapors/sprays. Use only outdoors or in a well-ventilated area.
Response	P304+P340 P312	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Storage	P403+P233 P405	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Names	CAS #	Concentration Range %
2-butoxyethanol	Glycol ether EB, ethylene glycol butyl ether	111-76-2	2 - 6
Surfactant blend	Trade secret	Trade secret	Trade secret

SECTION 4. FIRST AID MEASURES

- **Eyes:** Immediately flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses. If irritation persists, resume flushing and seek medical attention.
- **Skin:** Wash well with soap and water. Remove contaminated clothing and launder before reuse. If irritation persists, continue flushing and seek medical attention.
- **Inhalation:** Move victim to fresh air at once. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration and call a physician.
- **Ingestion:** DO NOT INDUCE VOMITING. Call a physician immediately! If victim is fully conscious and aware, give a cupful of water. Never give anything by mouth to an unconscious person.

SECTION 5. FIRE-FIGHTING MEASURES

- **Flammability:** Class IIIB Combustible
- **Flash Point:** Above 200°F (93°C)
- **Extinguishing Media:** Use dry chemicals, CO₂, water spray or alcohol-resistant foam for extinction. Do not spray water directly on fire. Use water spray to cool containers.
- **Specific hazards arising from chemical:** Vapors are heavier than air and may travel along the ground to an ignition source. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively.
- **Hazardous combustion products:** Hydrogen and oxides of carbon.
- **Firefighting protective equipment:** Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.
- **Sensitivity to static discharge:** This product is not flammable.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Eliminate all ignition sources. Ventilate area.

- For Small Spills: Spilled material is slippery. Avoid dispersal of material and runoff into soil, waterways, drains and sewers. Vapor-suppressing foam may be used to reduce vapors. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste with non-sparking tools. Wash walking surfaces with water to reduce slipping hazard. Dispose of contaminated absorbent material in accordance with local, state and federal regulations.
- For Large Spills: Large spills cannot occur due to packaging.

SECTION 7. HANDLING AND STORAGE

- Handling: Wear personal protection equipment. Use with adequate ventilation. Do not handle around sources of ignition. Vapors are heavier than air and may travel along the ground to an ignition source. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively. Do not premix with other chemicals. Do not eat, drink or smoke in work areas.
- Storage: Keep away from heat, flame, or sunlight. Keep from freezing. Keep container closed when not in use. Protect from physical damage. Store away from acids, reactive metals, ammonium salts, oxidizers, ammonia, organic amines, chlorates and chlorine.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
2-butoxyethanol	111-76-2	50ppm	20ppm	Not established
Surfactant blend	Trade secret	Not established	Not established	Not established

Engineering Controls: Provide adequate ventilation. Observe occupational exposure limits and keep the risk of exposure to a minimum.

Personal protective equipment:

- Eye: Safety glasses with side shields or splash proof goggles.
- Skin: Chemical resistant gloves
- Respirator: Use NIOSH approved protection if spray mist occurs, or if vapors are causing irritation.
- Clothing: Normal materials handling clothing
- Other: Use only in a well-ventilated area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Green, clear liquid	Upper/Lower flammability limits	Not determined
Odor	Butyl	Vapor pressure	<0.1mmHG at 20°C
Odor threshold	Not determined	Vapor density (Air = 1)	>1
pH at 1:1 dilution	7.5 – 8.8	Specific gravity at 1:1 dilution	1.025
Melting point	Not determined	Solubility	Complete in water
Freezing point	Not determined	Partition coefficient	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	200°F (93°C)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity	Not determined
Flammability	Class IIIB Combustible	% Volatile/Volume	66

SECTION 10. STABILITY AND REACTIVITY

- Reactivity: Not reactive under normal conditions. May form peroxides in the presence of air.
- Chemical stability: Stable under normal, ambient temperature and conditions.
- Possibility of hazardous reactions: Hazardous polymerization will not occur.
- Conditions to avoid: Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals
- Incompatible materials: Avoid acids, reactive metals, ammonium salts, oxidizers, ammonia, organic amines, chlorates and chlorine.
- Hazardous combustion products: Hydrogen and oxides of carbon.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute and Chronic Toxicity (short and long term):

- Eye Contact: May cause irritation to eyes.
- Skin Contact: May cause irritation to the skin. Repeated/prolonged exposure may cause dermatitis.
- Inhalation: Breathing vapors may cause central nervous system depression (headache, dizziness). Overexposure may cause liver and kidney damage. Severe overexposure may cause red blood cell damage.
- Ingestion: May cause symptoms of central nervous system depression. Severe overexposure may cause red blood cell damage.
- Oral (LD50 Rat): >2000mg/kg
- Dermal (LD50 Rabbit): >2000mg/kg
- Inhalation (LC50 Rat): Not determined
- NTP/IARC/OSHA Carcinogen: No

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Effects:

- 96h LC-50 (fish): 56ppm - May be harmful to the environment if undiluted material is released in large quantities.
- 96h EC-50 (invertebrates): >100ppm
- 192h EC-50 (algae): >100ppm
- Persistence and degradability: Not determined
- Bioaccumulation: Not determined

- Mobility: This product is soluble in water and may spread in water systems. This product is partially volatile and may spread in the atmosphere. Soil mobility not determined.

SECTION 13. DISPOSAL CONSIDERATIONS

- Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.
- Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not cut, drill, grind or weld on or near the container.
- RCRA: Not applicable.

SECTION 14. TRANSPORT INFORMATION

United States D.O.T.:

- Not regulated

IMDG & IATA:

- Not regulated per 49 CFR 171.11(d)(3): Flash point above 200°F (93°C)
- Marine Pollutant (IMDG Code): No
- Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not listed.

SECTION 15. REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.

SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.

SARA TITLE III Section 311/312:

- Immediate (Acute) Health = Yes
- Delayed (Chronic) Health = Yes
- Fire Hazard = No
- Reactive Hazard = No

SARA Title 313: Ethylene glycol monobutyl ether CAS# 111-76-2 Reporting threshold 1.0%

CERCLA: This product does not have a reportable quantity.

United States Right-To-Know: Ethylene Glycol Monobutyl Ether CAS# 111-76-2 - California, Massachusetts, Minnesota, New Jersey & Pennsylvania.

Proposition 65: This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

RCRA: Not applicable.

SECTION 16. OTHER INFORMATION

- Date Prepared: November 19, 2014
- Carefully read all instructions on label before handling this product.
- Keep out of reach of children.
- "FOR INDUSTRIAL USE ONLY"

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.

SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.