

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-7 Product Use: Concentrated Cleaner Manufactured for/Distributed by: Rig-Chem, LLC 132 Thompson Road Houma, LA 70363	Product Identification # (PIF): 0226511 Emergency Telephone #: 1-800-424-9300 General Information #: 958-873-7208 Prepared by: Sonya Lockhart Date Prepared: November 6, 2015
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SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification:



Signal Word: WARNING

Hazard Class	Category	Code	Hazard Statement
Eye Irritation	2B	H320	Causes eye irritation
Skin Irritation	2	H315	Causes skin irritation
STOT, SE; Narcotic Effects	3	H336	May cause drowsiness or dizziness.

Precautionary Measures:

Category	Code	Statement
Prevention	P261 P264 P271 P280	Avoid breathing fumes/mists/ vapors/sprays. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
Response	P302+P352 P321 P332+P313 P362 P304+P340 P312 P305+P351+P338 P337+P313	IF ON SKIN: Wash with soap and water. Specific treatments: See Section 4 First Aid Measures. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. 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. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention.
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.

Description of any hazards not otherwise classified: Repeated or prolonged skin contact may cause dermatitis (skin drying). High vapor concentrations may cause irritation to respiratory tract, and central nervous system depression. Symptoms may include headache, dizziness, nausea, euphoria, drowsiness and fatigue. Swallowing large amounts may cause central nervous system depression: headache, dizziness and gastrointestinal distress - Aspiration into the lungs during vomiting may cause lung damage.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Name	CAS #	Max. %
2-butyoxyethanol	Ethylene glycol monobutyl ether	111-76-2	7 – 11

SECTION 4. FIRST AID MEASURES

Eyes: Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses and continue rinsing. Seek medical attention.

Skin: Wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation persists, seek medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration by way of pocket mask equipped with one-way valve or other proper respiratory device – Do NOT use mouth-to-mouth method if victim inhaled material. Call a physician.

Ingestion: DO NOT INDUCE VOMITING. Call a physician immediately. If completely conscious and aware, have victim rinse out mouth, then drink 8-16oz. water to dilute. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

SECTION 5. FIRE-FIGHTING MEASURES

Flammability: Class IIIB Combustible liquid

Flash Point: Above 200°F (93°C) in water

Extinguishing Media: Foam, dry chemical, carbon dioxide fire extinguishers, water fog or spray. 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.

Hazardous combustion products: Carbon monoxide and carbon dioxide.

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 a Class IIIB Combustible

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Eliminate all ignition sources. Ventilate area. Avoid breathing fumes/mists/ vapors/sprays. Wash thoroughly after handling.

For Small Spills: Spilled material may be 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. 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 (Section 8). Use only outdoors or in a well-ventilated area. Avoid breathing fumes/mists/ vapors/sprays. Do not handle around sources of ignition. 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 tightly closed when not in use. Store locked up. Store in a well-ventilated place. Protect from physical damage. Store away from strong oxidizing agents, acids, alkalis, chlorates, chlorine, organic amines, aluminum, zinc, tin, copper and their alloys.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
2-butyoxethanol	111-76-2	50ppm	20ppm	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 (impervious) gloves. Normal materials handling clothing.

Respirator: Use NIOSH approved protection if PEL is exceeded, if ventilation is inadequate, or if vapors are causing irritation.

Other: Use only in a well ventilated area. Do not eat, drink or smoke while handling. Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Blue, clear liquid	Upper/Lower flammability limits	Not determined
Odor	Butyl	Vapor pressure	>0.1mmHg @ 20°C
Odor threshold	Not determined	Vapor density (Air = 1)	<1
pH	11	Specific gravity (water = 1.0)	1.010 g/ml
Melting point	Not determined	Solubility	Complete in water
Freezing point	Not determined	Partition coefficient (n-octanol/water)	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	Above 200°F (93°C)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity	Water thin
Flammability	Class IIIB Combustible	%Volatile/Volume	91

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

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 strong oxidizing agents, acids, alkalis, chlorates, chlorine, organic amines, aluminum, zinc, tin, copper and their alloys.

Hazardous combustion products: Carbon monoxide and carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

Oral (LD50 Rat): >5000mg/kg

Dermal (LD50 Rabbit): >2000mg/kg

Inhalation (LC50 Rat): Not determined

Skin corrosion irritation: Skin irritant. Symptoms may include redness and itching. Repeated or prolonged skin contact may cause dermatitis (skin drying).

Serious eye damage/irritation: Eye irritant. Symptoms may include burning sensation, tearing, swelling and redness.

Respiratory or skin sensitization: High vapor concentrations may cause irritation to respiratory tract, and central nervous system depression. Symptoms may include headache, dizziness, nausea, euphoria, drowsiness and fatigue.

Germ cell mutagenicity: No data available

Carcinogenicity: NTP/IARC/OSHA Carcinogen: No

Reproductive toxicity: Not available

STOT-single exposure: Immediate – eye and skin irritant. High vapor concentrations may cause irritation to respiratory tract, and central nervous system depression.

STOT-repeated exposure: Delayed - Repeated or prolonged skin contact may cause dermatitis (skin drying).

Aspiration hazard: Not available

Ingestion: Swallowing large amounts may cause central nervous system depression: headache, dizziness and gastrointestinal distress - Aspiration into the lungs during vomiting may cause lung damage.

Likely routes of exposure: Eyes, skin and inhalation (if mists or sprays are generated)

Interactive effects: Not available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:

96h LC-50 (fish): >100ppm

96h EC-50 (invertebrates): Not determined

48h LC-50 (algae): Not determined

Persistence and degradability: Inorganic ingredients are not applicable. Organic ingredients are inherently or readily biodegradable, or not determined.

Bioaccumulative potential: Low potential.

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

Other adverse effects: None known.

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

IATA and IMDG:

Not regulated

Marine Pollutant (IMDG Code): No

Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code):

Ingredient	Category	Haz	Ship	Tank	Tank Vent	Tank Cntrl	Elc Equip	Gauging	Vapor	Fire	Emrg Equip
Ethylene glycol alkyl ethers	Y	S/P	3	2G	Cont	No	No	R	F	A	No
Specific requirement	15.19.6										
Operational requirement	16.2.9										

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	Fire Hazard	No
Delayed (Chronic) Health	Yes	Reactive Hazard	No

SARA Title 313: Ethylene Glycol Monobutyl Ether CAS# 111-76-2, % by weight = 9%

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 6, 2015

Hazard Ratings (HMIS): Health 1, Flammability 1, Reactivity 0 (Scale 0 – 4). Personal Protection Rating to be supplied by user based on use conditions.

Product VOC: 9%

Carefully read all instructions on label before handling this product.

Keep out of reach of children.

“FOR INDUSTRIAL USE ONLY”

Abbreviation	Full Name/Explanation
ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act

CNS	Central Nervous System
CFR	Code of Federal Regulations
DOT	Department of Transportation
EC	Effective Concentration
HMIS	Hazardous Material Information System
LC	Lethal Concentration
LD	Lethal Dose
NA	Not Applicable
ND	Not Determined
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
STEL	Short-Term Exposure Limit
STOT	Specific Target Organ Toxicity
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
VOC	Volatile Organic Compounds

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.