

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-4 Cleaner Concentrate Surface Synthetic Cleaner	Product Identification # (PIF): 02264
Product Use: Synthetic Surface Cleaner	Emergency Telephone #: 1-800-424-9300
Manufactured by/Distributed by: Rig-Chem, LLC	General Information #: 985-873-7208
132 Thompson Road	Prepared by: Sonya Lockhart
Houma, LA 70363	Date Prepared: October 25, 2013
	Date Revised: December 4, 2014

SECTION 2. HAZARD(S) IDENTIFICATION

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



Signal Word: WARNING

Hazard Class	Category	Code	Hazard Statement
STOT, SE: Respiratory Tract Irritation	3	H335	May cause respiratory irritation
STOT, Repeated Exposure	2	H373	May cause damage to organs through prolonged/repeated exposure

- Product VOC: 3%
- May cause eye and skin irritation. Overexposure to skin may cause itching and redness similar to rash.
- Excessive exposure to vapors may result in kidney damage.
- Ingestion may cause central nervous system depression and gastrointestinal irritation. Ingesting large amounts may result in kidney 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	P260 P271	Do not breathe breathing 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	P405	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 Name	CAS #	Concentration Range %
Surfactant mixture	Proprietary	Proprietary	28 – 32
Tripropylene glycol monomethyl ether	TPM	25498-49-1	1 – 5

SECTION 4. FIRST AID MEASURES

- **Eyes:** Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses. If irritation persists, seek medical attention.
- **Skin:** Wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation persists, seek medical attention.
- **Inhalation:** If symptoms develop, move victim to fresh air. 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 completely conscious and aware, have him wash out mouth with water. Never give anything by mouth to an unconscious person.

SECTION 5. FIRE-FIGHTING MEASURES

Flammability: Class IIIB Combustible liquid
Flash Point: Above 200°F (93°C)

- **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:** Container pressure will increase and container may burst. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- **Hazardous combustion products:** Oxides of carbon and sulfur.
- **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 has a flash point above 200°F.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Eliminate all ignition sources. Ventilate area.

- **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 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 breathe vapors/mists/sprays. Do not handle around sources of ignition. Use proper bonding and grounding during product transfer as described in document NFPA 77. 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 strong oxidizing agents, reducing agents, metals, ammonia and isocyanate.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
Surfactant mixture	Proprietary	Proprietary	Proprietary	Proprietary
Tripropylene glycol monomethyl ether	25498-49-1	Not determined	Not determined	Not determined

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 PEL is exceeded 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	Purple, clear liquid	Upper/Lower flammability limits	Not determined
Odor	Slight	Vapor pressure	<1mmHg @ 20°C
Odor threshold	Not determined	Vapor density (Air = 1)	Not determined
pH at 1:2 dilution	8 - 10	Relative density at 1:2 dilution	1.020 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)	Not determined	Viscosity (#4 at 50 rpm, Brookfield)	50 – 400 cps
Flammability	Class IIIB Combustible	%Volatile/Volume	37

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 oxidizing materials, reducing materials, metals, ammonia and isocyanate.
- **Hazardous combustion products:** Oxides of carbon and sulfur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute and Chronic Toxicity (short and long term):

- **Eye Contact:** May cause severe irritation.
- **Skin Contact:** Overexposure may cause itching and redness similar to rash. Slight skin absorption hazard.
- **Inhalation:** Breathing vapors or mists may be irritating to respiratory tract. Excessive exposure may result in kidney damage.
- **Ingestion:** May cause central nervous system depression and gastrointestinal irritation. Ingesting large amounts may result in kidney damage.
- Oral (LD50 Rat): >5000 mg/kg
- Dermal (LD50 Rabbit): >5000 mg/kg
- Inhalation (LC50 Rat): Not established
- NTP/IARC/OSHA Carcinogen: No

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Effects:

- 96h LC-50 (fish): >100ppm
- 96h EC-50 (invertebrates): >100ppm
- 48h LC-50 (algae): Not established
- **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.
- **Environmental effects:** May be harmful to the environment if undiluted material if released in large quantities.

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:

- Marine Pollutant (IMDG Code): No
- Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code):

Ingredient	Ctgr	Haz	Ship	Tank	Tank Vent	Tank Cntrl	Elc Equip	Gauging	Vapor	Fire	Emrg Equip
Nonylphenol poly(4+)ethoxylate	Y	P	2	2G	Open	No	Yes	O	No	A	No
Specific requirement	15.19.6										
Operational requirement	16.2.6										

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: This material does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels (40 CFR 372).

CERCLA: This product does not have a reportable quantity.

United States Right-To-Know: None known.

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: December 4, 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.