

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: PDR-6000 Premium Pipe Dope Remover Product Use: Pipe Dope Remover Manufactured for/Distributed by: Rig-Chem LLC 132 Thompson Road Houma, LA 70363	Product Identification # (PIF): 02284 Emergency Telephone #: 1-800-424-9300 General Information #: 985-873-7208 Prepared by: Sonya Lockhart Date Prepared: July 22, 2013 Date Revised: December 3, 2014
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**SECTION 2. HAZARD(S) IDENTIFICATION**

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



Signal Word: WARNING

Hazard Class	Category	Code	Hazard Statement
Flammable Liquid	3	H226	Flammable liquid and vapor

- Product VOC: 38%

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	P210 P233 P240 P241 P242 P243 P264 P280	Keep away from heat/sparks/open flames/hot surfaces – No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response	P303+P361+P353 P370+P378	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use Foam, dry chemical, carbon dioxide fire extinguishers for extinction.
Storage	P403+P235	Store in a well-ventilated place. Keep Cool.
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 %
d-Limonene	Terpenes hydrocarbons	5989-27-5	38 - 42

**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 develops and 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. Rinse mouth with water. Never give anything by mouth to an unconscious person.

**SECTION 5. FIRE-FIGHTING MEASURES**

Flammability: Class II Combustible liquid  
Flash Point: 138°F (59°C)

- **Extinguishing Media:** Foam, dry chemical, carbon dioxide fire extinguishers. 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. Readily ignited by static discharge.
- **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:** Electrostatic charge may build up during handling. Grounding equipment is recommended.

## 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 handle around sources of ignition. Follow US NFPA 30 on safe handling of flammable and combustible liquids. 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 and strong acids.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
d-Limonene	5989-27-5	Not established	30ppm	30ppm

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/sprays/mists are causing irritation.
- **Clothing:** Normal materials handling clothing.
- **Other:** Use only in a well-ventilated area.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Red/orange, clear liquid	Upper/Lower flammability limits	Not determined
Odor	Citrus	Vapor pressure	Not determined
Odor threshold	Not determined	Vapor density (Air = 1)	>1
pH	Not applicable	Relative density (water = 1.0)	0.800 g/ml
Melting point	Not determined	Solubility	Negligible
Freezing point	Not determined	Partition coefficient (n-octanol/water)	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	138°F (59°C)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity	Thin
Flammability	Class II Combustible	%Volatile/Volume	38

## 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 may occur in contact with acidic clays or aluminum chloride.
- **Conditions to avoid:** Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals
- **Incompatible materials:** Avoid strong oxidizing agents and strong acids.
- **Hazardous combustion products:** Carbon monoxide and carbon dioxide.

## SECTION 11. TOXICOLOGICAL INFORMATION

Acute and Chronic Toxicity (short and long term):

- **Eye Contact:** May cause irritation to eyes.
- **Skin Contact:** May cause irritation and slight redness. Prolonged or repeated contact may cause drying of the skin.
- **Inhalation:** May cause nose, throat and respiratory tract irritation, coughing and headache.
- **Ingestion:** Swallowing large amounts may cause vomiting and headache.
- 96h LC-50 (fish): No data available
- 96h EC-50 (invertebrates): No data available
- 48h LC-50 (algae): No data available
- 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): >10ppm
- **Persistence and degradability:** Readily degraded in soil.
- **Bioaccumulation:** May bioconcentrate in aquatic organisms and fish.
- **Mobility:** This product floats on water. This product is partially volatile and may spread in the atmosphere. Soil mobility not determined.

SECTION 13. DISPOSAL CONSIDERATIONS

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- 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: A waste containing this product may have the RCRA hazardous waste no. D001 (Ignitable) (40 CFR 261.22).

SECTION 14. TRANSPORT INFORMATION

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United States D.O.T.:

Container of 119 gallons or less:

- Combustible Liquid (49 CFR 173.120 (b)(2): This material is not regulated under 49 CFR if in a container of 119 gallon capacity or less for ground transportation. Exception CFR 173.150(f)(2): Combustible liquids. This exception does not apply to transportation by vessel or aircraft.

Container of 120 gallons or more:

- UN/ID No.: NA1993
- Proper Shipping Name: Combustible liquid, n.o.s., (d-Limonene)
- Hazard Class: Comb liq
- Packing Group: III

IATA and IMDG:

- UN/ID No.: UN2319
- Proper Shipping Name: Terpene Hydrocarbons, n.o.s., (d-Limonene)
- Hazard Class: 3
- Packing Group: III
- Marine Pollutant (IMDG Code): No
- Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not listed.

SECTION 15. REGULATORY INFORMATION

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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 = No
- Fire Hazard = Yes
- 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.

Clean Air Act: This material does not contain any hazardous air pollutants.

Clean Water Act: None of the chemicals in this product are listed as Hazardous Substances under the CWA.

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: A waste containing this product may have the RCRA hazardous waste no. D001 (Ignitable) (40 CFR 261.22).

SECTION 16. OTHER INFORMATION

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- Date Prepared: December 3, 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.