

World's Champion Rig Wash

MSDS

Champion Products LLC.

Product Data

Preparation Date: March 2009

Description

World's Champion Rig Wash is a concentrated blend of d-Limonene, citrus components, and surfactant. It has a high concentration of d-Limonene, making it better for applications requiring more solvent cleaning power. This product is ideal for cleaning applications where a water rinse is required. World's Champion Rig Wash must be diluted with water at time of use or blended with other solvents to fine tune the formulation.

World's Champion Rig Wash is formulated with the environment in mind. It is nonylphenol free (no NPE-surfactants), has no ozone depleting chemicals (ODCs), and no hazardous air pollutants (HAPs).

Uses & Applications

World's Champion Rig Wash is a replacement for toxic chlorinated solvents, glycol ether, MEK, xylene, Freon, and CFCs. It works well as a parts cleaner and engine degreaser for automotive, aircraft, and aerospace industries. It also works as tar and asphalt remover, asbestos shingle remover, graffiti remover, grease trap maintainer, lift station and sewage treatment applications, floor cleaner, printing press cleaner, carpet stain cleaner, metal cleanser, aerosol ingredient, fragrance additive, and odorant for the petroleum industry.

Section 1: Manufacturer's Name and Contact Information

Product Name: World's Champion Rig Wash

Product Code: RW 1012

Synonyms:

Issue Date: April 2009

Manufacturer: Champion Products LLC.

Address: 3553 Landco Dr Suite B Bakersfield, CA 93308

Emergency Contact: ChemTrec 1-800-466-7126

Section 2: Hazardous Ingredients/Identity Information

Component	CAS Reg. Number	% by Wt.
Citrus Terpenes	94266-47-4	60-95
Nonionic Surfactant	68131-39-5	5-40

Section 3: Physical/Chemical Characteristics

Boiling Point:	310°F to 332°F (154°C to 167°C)
Vapor Pressure:	<2mmHg @ 68°F (20°C)
Specific Gravity:	0.850 to 0.860 @ 77°F (25°C)
Flash Point:	120°F (48.9°C)

Evaporation Rate:	Medium to fast
Solubility in Water:	Forms emulsion
Physical Appearance:	Colorless to pale yellow liquid
Odor:	Citrus aroma

Section 4: Fire and Explosion Hazard Data

Flash Point: 120°F (49°C) PMCC

Flammability Limits: LEL approx. 0.7%, UEL approx. 6.1%

Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide, foam, or dry chemical. Caution: Carbon dioxide will displace air in confined spaces and may create an oxygen-deficient atmosphere.

Unsuitable Extinguishing Media: Water.

Special Firefighting Procedures: Vapors may be irritating to eyes, skin, and respiratory tract. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Products of Combustion: Forms acrid fumes, carbon monoxide, and carbon dioxide.

Section 5: Reactivity Data

Stability: Stable

Conditions to Avoid: Keep away from heat, sparks, and flames

Incompatibility (materials to avoid): Strong oxidizing agents and strong acids, including acidic clays, peroxides, halogens, vinyl chloride, and iodine pentafluoride.

Hazardous Decomposition Byproducts: Oxides of citrus terpenes, which can result from improper storage and handling, are known to cause skin sensitization.

Possibility of Hazardous Reactions: BHT, an antioxidant, has been added to prevent oxidation. Avoid long-term exposure to air. If storing partially-filled container, fill headspace with an inert gas such as nitrogen or carbon dioxide.

Section 6: Health Hazard Data

Routes of Entry (inhalation, skin, ingestion): Skin contact, eye contact, inhalation

Eye: Causes moderate to severe irritation

Skin: May cause slight redness. Prolonged or repeated exposure may cause drying of the skin.

Inhalation: May cause nose, throat, and respiratory tract irritation, coughing, headache.

Ingestion: Not likely to be toxic, but may cause stomach distress, nausea, or vomiting.

Health Hazards

Acute: Citrus terpenes have been shown to have low oral toxicity ($LD_{50} > 5$ g/kg) and low dermal toxicity ($LD_{50} > 5$ g/kg) when tested on rabbits. Citrus terpenes also showed low toxicity by inhalation ($RD_{50} > 1$ g/kg) when tested on mice. Product may be a skin and eye irritant. Inhalation may cause irritation to the nose, throat, and respiratory tract.

Chronic: This product is not classified as a carcinogen by OSHA, IARC, or NTP. This product has not been shown to produce genetic changes when tested on bacterial or animal cells. This product does not contain reproductive or developmental toxins. Prolonged or repeated exposure can cause drying or

dermatitis of the skin. Improper storage and handling may lead to the formation of a possible skin sensitizer.

Signs and Symptoms of Exposure: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Symptoms may include redness, edema, drying, defatting, and cracking of the skin.

Medical Conditions Generally Aggravated by Exposure: May irritate the skin of people with pre-existing skin conditions.

Emergency and First Aid Procedures

- Eye Contact:** Remove contact lenses at once. Flush with water for at least 15 minutes. If irritation persists, seek medical attention.
- Skin Contact** Wash affected area with copious amounts of soap and water. If irritation develops, seek medical attention.
- Inhalation** If symptoms of overexposure are experienced, remove to fresh air. If symptoms persist, seek medical attention.
- Ingestion** Seek medical attention immediately. DO NOT induce vomiting. Rinse mouth with water. DO NOT administer anything by mouth to an unconscious person. DO NOT leave victim unattended.
- General** As with any chemical, user should thoroughly wash hands with soap and water after handling this material.

Section 7: Precautions for Safe Handling and Use

Handling: Keep away from heat, sparks, and flame. Open container slowly to release pressure caused by temperature variations. Do not allow this material to come into contact with eyes. Avoid prolonged contact with skin. Use in well ventilated areas. Do not breathe vapors. As with any chemical, users should thoroughly wash hands with soap and water after handling this material.

Storage

Product may be stored in phenolic-lined steel containers or fluorinated plastic containers. Store in well ventilated area with proper sprinkler/fire deterrent system. Storage temperature should not exceed 110°F (43°C) for extended periods of time. Keep container closed when not in use. Air should be excluded from partially-filled containers by displacing with nitrogen or carbon dioxide. Do not cut, drill, grind, or weld on or near this container; residual vapors may ignite.

- Personal Precautions:** Use personal protection recommended in Section 8. Product is slippery when spilled. Isolate the hazard area. Deny entry to unnecessary personnel.
- Environmental Precautions:** Keep out of drains, sewers, ditches, and waterways
- Methods for Containment:** Dike spill area and cap leaking containers as necessary to prevent further spreading of spilled material. Absorb spilled liquid with suitable material such as dirt or sand.
- Methods for Clean Up:** Eliminate all ignition sources. Use equipment rated for use around combustible materials. Oil soaked rags may spontaneously combust; place in appropriate disposal container. Oil-soaked rags may spontaneously combust; place in appropriate disposal container.
- Other Information:** There are no special reporting requirements for spills of this material.

Section 8: Control Measures

Exposure Guidelines

Ingredient

d-Limonene
Nonionic Surfactant

Exposure Limits

8h TWA=30ppm (AIHA Standard)
N/E (N/E – Not Established)

Engineering Controls: Provide ventilation. Keep away from sparks and flames.

Eye/Face Protection: Wear safety glasses or goggles.

Skin Protection: Nitrile gloves are recommended. Boots, apron, or bodysuit should be worn as necessary.

Respiratory Protection: Not normally required. If adequate ventilation is unavailable, use NIOSH approved air-purifying respirator with organic vapor cartridge or canister.

General Hygiene Considerations: Wash hands thoroughly after handling. Have eyewash and emergency shower facilities immediately available. Launder contaminated clothing before reuse.

Section 9: Transport Information

US DOT Shipping Classification

Proper Shipping Name: TERPENE HYDROCARBONS, N.O.S.

Hazard Class: 3

Identification No.: UN2319

Packing Group: III

Label/Placard: exception §173.150(f) applies

TDG Status: Hazardous

IMO Status: Hazardous

IATA Status: Hazardous

The listed transportation classification does not address regulatory variations due to changes in package size, mode of shipment, or other regulatory descriptions.

Section 10: Regulatory Information

Global Inventories

The components of this product are included in the following inventories:

USA (TSCA)

Canada (DSL)

Europe (EINECS/ELINCS/Polymer/NLP)

Australia (AICS)

Korea (KECL)

Philippines (PICCS)

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

NFPA 704: National Fire Protection Association

Health – 1 Fire – 2 Reactivity - 0

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