

IDENTITYTrade Name: *Pulpdent Wonder Orange*

Codes: WO-8, WO-Q

Chemical Description: Orange oil, biodegradable solvents derived from citrus peel, and lanolin.

Product use: Solvent

SECTION I*Pulpdent Corporation*

80 Oakland Street

Watertown, MA 02472 USA

Phone Numbers:

24 Hour Emergency: 1-800-535-5053

Customer Service: 1-800-343-4342/1-617-926-6666

Date prepared: September 1, 2007

SECTION II - HAZARDOUS INGREDIENTS

Since this product is extracted from natural sources, its composition is somewhat variable. The information furnished is for a representative sample.

| <i>Ingredients</i> | <i>CAS RN</i> | <i>%</i> | <i>PEL / TLV</i> | <i>UN Number</i> |
|--------------------|---------------|----------|------------------|------------------|
| d-Limonene | 5989-27-5 | 90 | 150 ppm | UN2319 |

DOT Hazard Classification: Class 3, Packing Group III – Combustible Liquid, n.o.s.

WHMIS CLASS: Class B - Div. 3, Combustible liquid / Class D - Div. 2B, Sensitizer

NFPA HMIS RATING:

HEALTH: 1

FLAMMABILITY: 2

REACTIVITY: 0

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 311-333°F / 155°C

Specific Gravity: 0.844

Vapor Pressure: 3 mm Hg @ 25° C

Melting Point: -67.7°C

Vapor Density: 4.7

Evaporation Rate: 0.25

Solubility in water: Insoluble

Odor Threshold: Not available

Appearance and Odor: Transparent, pale yellow, oily liquid; odor of fresh orange peel.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: 120-130°F / 47° C (Tag closed cup)

Flammable limits: LEL: 0.7; UEL: 6.5

Extinguishing Media: Extinguisher - Class B fires: foam, CO₂, dry compound. Avoid direct contact with water.

Special Fire Fighting Procedures: Self-contained breathing apparatus, full face piece, operated in a pressure demand or other positive pressure mode. If product is confined to a container, use water spray to cool exterior.

Hazardous Combustion Products / Unusual Fire and Explosion Hazards: Carbon monoxide, carbon dioxide, dense black smoke are produced. Stay upwind, if possible. No unusual products of combustion.

SECTION V - REACTIVITY DATA

Stability: Stable

Conditions to avoid: Flammable or explosive chemicals.

Incompatibility: Strong oxidants, inorganic acids, organic acids, peroxides, halogens, vinyl chloride, iodine pentafluoride.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, dense black smoke.

Hazardous Polymerization: May occur.

Conditions to avoid: Avoid high temperature contact with reactive monomers (e.g. methacrylates or vinyl chloride)

SECTION VI - HEALTH HAZARD DATA

Summary of Acute Hazards: Minimal health hazard at this concentration. Vapor may irritate eyes and mucous membranes. Skin contact with liquid may cause localized itching.

| <i>Route of Exposure</i> | <i>Signs & Symptoms</i> |
|--------------------------|---|
| Inhalation | May be irritating, especially with prolonged exposure. |
| Eye Contact | Will cause irritation |
| Skin Absorption | Not applicable |
| Skin Contact | May cause irritation, localized itching, dermatitis, or photosensitivity. |
| Ingestion | Large quantities may cause vomiting, headache, other medical problems. |

Summary of Chronic Hazards: Frequent exposure may induce dermatitis in sensitive individuals. Prolonged contact has caused photosensitivity in some cases.

Carcinogenicity Not known to be a carcinogen.
Teratogenicity, Mutagenicity, Reproductive Toxicity, Special Health Effects: None known.

Emergency First Aid Procedures:

| | |
|--------------|--|
| Inhalation | Remove to fresh air. Seek medical attention for persistent difficulty breathing. |
| Eye contact | Flush with water for 15+ minutes. Remove contact lenses. See physician. |
| Ingestion | Contact physician. Do not induce vomiting. Rinse mouth. Drink one glass of water. |
| Skin contact | Wash with running water and soap. Remove soiled clothing. Get medical attention for persistent irritation. |

SECTION VII - PRECAUTIONS FOR SAFE HANDLING & USE

Handling and Storage Precautions: Store tightly capped and plainly labeled in original container in a cool, well-ventilated place. Avoid proximity to reactive chemicals, sources of ignition or open flame.

Release or Spill: Shut off source if safe to do so. Keep open flames and spark sources away. Do not allow liquid to enter municipal sewage system. Contain and absorb spilled liquid with paper towels, sand, or earth. Collect absorbent in covered container for disposal.

Waste Disposal Method: Follow all government regulations.

Other Precautions: Wash hands after use.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: Not generally required.

Ventilation: No special ventilation recommended under anticipated conditions of normal use

Protective Gloves: Chemically resistant gloves recommended

Eye Protection: Splash-resistant goggles or safety glasses

Other Protective Clothing or Equipment: Lab coat to protect skin. Emergency eye wash fountain.

Work/Hygienic Practices: Wash hands after use.

The information presented herein is believed to be factual as it has been derived from the works of persons believed to be qualified experts. However, nothing contained in this information is to be taken as a warranty or representation for which Pulpdent Corporation bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.