

**IDENTITY**

Trade 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

Phone Numbers:

80 Oakland Street

24 Hr. Emergency: 1-800-535-5053

Watertown, MA 02472 USA

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

Date prepared: December 1, 2004

**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.

<b>Ingredients</b>	<b>CAS RN</b>	<b>%</b>	<b>PEL / TLV</b>
d-Limonene	5989-27-5	90	150 ppm

DOT Hazard Classification: Class 3, III - Combustible Liquid - N.A. 1993

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: n/a

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, CO<sub>2</sub>, 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.

**Route of Exposure****Signs & Symptoms**

Inhalation	May be irritating with prolonged exposure.
Eye Contact	Will cause irritation.
Skin Absorption	n/a
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.
Eye contact physician.	Flush with water for 15+ minutes. Remove contact lenses. See
Ingestion Rinse	Contact physician. Do not induce vomiting. Drink one glass of water. mouth.
Skin contact	Wash with running water and soap. Remove soiled clothing. Get medical help, if irritation persists.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING & USE**

**Handling and Storage Precautions:** Store in cool, well-ventilated place away from reactive chemicals, spark source, or open flame. Container should be closed and plainly labeled.

**Steps to Be Taken if Material is Released or Spilled:** 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, sand, or earth.

**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:** 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.*

