



## MATERIAL SAFETY DATA SHEET

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### 1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES  
 24 Hour INFOTRAC (US and CANADA): **800-535-5053**

**PRODUCT NAME**  
UNITED 222 SUPER ORANGE JEL

**USE/DESCRIPTION**  
Jelled Floor and Surface Cleaner

**REVISION DATE**  
January 5, 2012

#### HMIS III HEALTH (0 = Maximum Safety) 1

Always follow Label Directions and Cautions.

* Chronic	2 Moderate
4 Severe	1 Slight
3 Serious	0 Minimal

See Hazards Identification Section of this MSDS for more detailed information.

#### PHYSICAL HAZARD (0 = Maximum Safety) 0

Susceptible to Release of Energy.

4 May detonate-vacate area if materials are exposed to fire.	2 Violent chemical change possible-use hose stream from distance
3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers.	1 Unstable if heated-use precaution.
	0 Normally stable.

#### FLAMMABILITY (0 = Maximum Safety) 0

Susceptibility of Material to Burning.

4 Extremely flammable.	1 Must be preheated to burn.
3 Ignites at normal temperature.	0 Will not burn.
2 Ignites when moderately heated.	

**PERSONAL PROTECTION: n & p**



### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
d-1,8(9)-p-menthadiene	5989-27-5	1 – 5	NE	NE	4400 mg/kg (Rat/oral)	NE

### 3. HAZARDS IDENTIFICATION

**Eyes:** Undiluted product causes irritation and burns.

**Skin:** Prolonged or repeated contact may cause irritation.

**Inhalation:** May cause headache, dizziness, and irritation of the respiratory system.

**Ingestion:** May cause burns to mouth, throat, and stomach. Harmful if swallowed.

### 4. FIRST AID MEASURES

**Eyes:** Flush with plenty of cool water for at least 15 minutes and call a physician or poison center immediately.

**Skin:** Wash with soap and water. If irritation persists, call a physician or poison center.

**Inhalation:** Remove to fresh air. If irritation persists, call a physician or poison center.

**Ingestion:** DO NOT induce vomiting. Drink large amounts of cold water to dilute and call a physician immediately. Never give anything by mouth to an unconscious person.

### 5. FIRE FIGHTING MEASURES

**Flash Point (TCC):** None

**Explosive Limits:** Lower (LEL): ND Upper (UEL): ND

**Flame Projection (Aerosol):** NA

**Hazardous Products of Combustion:** When strongly heated, as in a fire, this product may produce oxides of carbon and other organic compounds.

**Fire and Explosion Hazards:** None known.

**Extinguishing Media:** Water, Dry chemical, Carbon dioxide, Foam.

**Fire Fighting Instructions:** Wear NIOSH-approved self-contained breathing apparatus w/full protective clothing. Cool fire exposed containers to prevent vapor pressure build up.

### 6. ACCIDENTAL RELEASE MEASURES

**Small Spills:** Spills up to one gallon should be diluted with plenty of water and flushed to the nearest wastewater drain. Rinse area thoroughly.

**Large Spills:** Soak up with an inert absorbent and place in designated disposal container. Rinse area thoroughly.

## 7. HANDLING AND STORAGE

Keep containers tightly closed. Wide temperature variations can affect the thickness of the gel. Store at temperatures between 50°F/10°C and 70°F/21°C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety goggles are recommended.

**Skin:** Chemical resistant gloves are recommended.

**Respiratory:** Not normally required.

**Engineering Controls:** Mechanical ventilation recommended when handling in enclosed/tight spaces.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** 212°F/100°C      **Specific Gravity:** 1.026 (H2O=1)      **Vapor Pressure:** ND      **Melting Point:** ND  
**Vapor Density:** ND      **Evaporation Rate:** ND      **Solubility in Water:** Complete      **pH:** 11.5-13.0  
**Appearance and Odor:** Bright orange gel with pleasant orange/pine scent.

## 10. STABILITY AND REACTIVITY

**Hazardous Polymerization:** None.

**Hazardous Decomposition:** When strongly heated, as in a fire, this product may produce oxides of carbon and other organic compounds.

**Chemical Stability:** Stable

**Incompatibility:** Oxidizing agents such as bleach and acids.

## 11. TOXICOLOGICAL INFORMATION

**Carcinogenicity (NTP/IARC/OSHA):** None

**California Proposition 65:** Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? None

## 12. ECOLOGICAL INFORMATION

ND

## 13. DISPOSAL CONSIDERATIONS

Consult your local, state, provincial and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

## 14. TRANSPORT INFORMATION

**DOT:** Ground Transportation - Non-hazardous: pail/drum Cleaning, scouring or washing compounds, or soaps

**TDG:** Available upon request

**UN:** Available upon request

## 15. REGULATORY INFORMATION

**VOC (Volatile Organic Compounds):** <15% by weight

**TSCA (Toxic Substances Control Act):** Listed

**SARA Title III Section 302 EHS:** None

**SARA Title III Section 311/312:** ND

**SARA Title III Section 313 Toxic Chemicals:** None

### **WHMIS Classification:**

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

## 16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.

**UNITED 222 SUPER ORANGE JEL**

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