



## 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 638 SOLAR GOLD Universal Solvent

**USE/DESCRIPTION**  
 SOLAR GOLD Universal Solvent

**REVISION DATE**  
 September 20, 2010

#### 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) **2**

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: B**



### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TWA)	OSHA (PEL)	LD50 (Species/Route)	LC50 (Species)
d-1,8(9)-p-menthadiene	5989-27-5	10-50	NE	NE	NE	NE

### 3. HAZARDS IDENTIFICATION

**Eyes:** May cause irritation.

**Skin:** Prolonged or repeated exposure can remove natural skin oils and may produce irritation. Some individuals may develop a rash or allergic reaction after prolonged skin contact.

**Inhalation:** Breathing fumes may irritate nose, throat, and lungs and may cause nausea.

**Ingestion:** Swallowing large amounts, more than a few ounces, may cause nausea, upset stomach and vomiting.

### 4. FIRST AID MEASURES

**Eyes:** Flush with plenty of tepid water for at least 15 minutes while holding eyelids open. Call a physician or poison control center immediately.

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

**Inhalation:** Remove to fresh air. Apply CPR if needed. Call a physician or poison control center immediately.

**Ingestion:** DO NOT induce vomiting. Call a physician or poison control center immediately.

### 5. FIRE FIGHTING MEASURES

**Flash Point (TCC) :** >135°F/57°C

**Explosive Limits:** Lower (LEL): 0.7% Upper (UEL): 6.1%

**Flame Projection (Aerosol):** NA

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

**Fire and Explosion Hazards:** Rags soaked with this product may spontaneously ignite; to avoid this danger, used rags should be soaked with water and/or stored in a container full of soapy water. In a fire, closed containers of this product may burst or rupture due to pressure build-up, greatly increasing the fire hazard.

**Extinguishing Media:** Dry chemical; Foam; Carbon dioxide (Do not use water except as a mist or foam, as it may spread the burning.)

**Fire Fighting Instructions:** Wear self-contained breathing apparatus w/full protective clothing. Containers should be cooled with water to prevent vapor pressure build up.

### 6. ACCIDENTAL RELEASE MEASURES

**Small Spills:** Eliminate all sources of ignition. Ventilate area. Absorb on inert, non-combustible material and place in suitable container for disposal.

**Large Spills:** Remove sources of ignition and ventilate area. Soak up with an inert non-combustible absorbent and place in designated disposal container.

## 7. HANDLING AND STORAGE

Keep this product in properly labeled, tightly closed container. Store in a cool, dry, well-ventilated area away from sources of ignition. Keep out of reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety glasses are recommended.

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

**Respiratory:** None required if good ventilation is maintained. If TLV is exceeded, use NIOSH-approved respirator for organic vapors.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** >250F/>121C

**Specific Gravity:** 0.880 (H<sub>2</sub>O=1)

**Vapor Pressure:** ~1.0

**Melting Point:** ND

**Vapor Density:** ND

**Evaporation Rate:** ND

**Solubility in Water:** Miscible

**PH:** NA

**Appearance and Odor:** Clear liquid with pale amber color and citrus odor.

## 10. STABILITY AND REACTIVITY

**Hazardous Polymerization:** NA

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

**Chemical Stability:** Stable

**Incompatibility:** Avoid contact with strong acids and oxidizing agents.

## 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 and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

## 14. TRANSPORT INFORMATION

**DOT:** Available upon request.

**TDG:** Available upon request.

**UN:** Available upon request.

## 15. REGULATORY INFORMATION

**VOC (Volatile Organic Compounds):** 38.785%

**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 638 SOLAR GOLD Universal Solvent**

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