



## 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 514 TITAN

**USE/DESCRIPTION**  
 Liquid Laundry Detergent

**REVISION DATE**  
 February 05, 2013

### HMIS III HEALTH (0 = Maximum Safety) **2**

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: A**



### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TWA)	OSHA (PEL)	LD50 (Species/Route)	LC50 (Species)
Isopropyl alcohol	67-63-0	5-7	400 ppm	400 ppm	5840 mg/kg (rat/oral)	12000 ppm 8 hr rat

### 3. HAZARDS IDENTIFICATION

**Eyes:** May cause irritation.

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

**Inhalation:** Inhaling large amounts may cause coughing and irritation to the respiratory system.

**Ingestion:** May cause nausea, vomiting and diarrhea.

### 4. FIRST AID MEASURES

**Eyes:** Flush with plenty of cool water for at least 15 minutes while holding eyelids open. Seek medical attention immediately.

**Skin:** Wash with soap and water. If symptoms develop, seek medical attention.

**Inhalation:** Remove to fresh air. If symptoms develop, seek medical attention.

**Ingestion:** DO NOT induce vomiting. Get medical attention immediately.

### 5. FIRE FIGHTING MEASURES

**Flash Point (TCC):** 175°F/80°C

**Flame Projection (Aerosol):** NA

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

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

**Fire and Explosion Hazards:** None known

**Extinguishing Media:** Water spray; Dry chemical; Carbon dioxide

**Fire Fighting Instructions:** Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus. Use water spray or mist to cool fire-exposed containers.

### 6. ACCIDENTAL RELEASE MEASURES

**Small Spills:** Flush away spills up to 1 gallon to the nearest sewer to drain. Wash area thoroughly.

**Large Spills:** Dike and collect with suitable absorbent. Place in corrosion resistant container for proper disposal.

## 7. HANDLING AND STORAGE

Keep out of reach of children. Keep in a properly labeled, tightly closed container and store in a cool, dry place away from incompatible materials. Keep drums from freezing as this could rupture drum.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety glasses

**Skin:** Normally not required.

**Respiratory:** Normally not required.

**Engineering Controls:** Normally not required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** 212°F/100°C **Specific Gravity:** 1.03 (H<sub>2</sub>O=1)

**Vapor Density:** ND

**Evaporation Rate:** ND

**Vapor Pressure:** ND

**Melting Point:** ND

**Appearance and Odor:** Clear blue liquid with floral scent

**Solubility in Water:** Complete **pH:** 9-10

## 10. STABILITY AND REACTIVITY

**Hazardous Polymerization:** Will not occur

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

**Chemical Stability:** Stable

**Incompatibility:** Do not mix with other cleaners or chemicals.

## 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? No

## 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:** Not regulated for transportation.

**TDG :** Not regulated for transportation.

**UN:** Available upon request.

## 15. REGULATORY INFORMATION

**VOC(Volatile Organic Compounds):** 7%

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

**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 514 TITAN

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