



## 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 54 DOUBLE SUDS

**USE/DESCRIPTION**  
 Liquid Dishwashing Concentrate

**REVISION DATE**  
 January 9, 2014

#### 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
3 Ignites at normal temperature.	to burn.
2 Ignites when moderately heated.	0 Will not burn.

**PERSONAL PROTECTION: A**



### 2. COMPOSITION/INFORMATION ON INGREDIENTS

In accordance with Federal Regulation 29 CFR 1910.1200, all materials in this product are considered non-hazardous.

### 3. HAZARDS IDENTIFICATION

**Eyes:** May cause irritation.

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

**Inhalation:** None known.

**Ingestion:** May cause upset stomach, nausea and vomiting.

### 4. FIRST AID MEASURES

**Eyes:** Flush with plenty of water for at least 15 minutes. If irritation persists, call a physician or poison center.

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

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

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

### 5. FIRE FIGHTING MEASURES

**Flash Point (TCC):** None to boiling point

**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 nitrous oxide, sulfur dioxide, hydrogen sulfide, CO and CO2 may be released.

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

**Extinguishing Media:** Dry chemical; Dry foam; Carbon dioxide; Water.

**Fire Fighting Instructions:** Wear self-contained breathing apparatus w/full protective clothing. Use water spray or mist to cool fire-exposed containers.

### 6. ACCIDENTAL RELEASE MEASURES

**Small Spills:** Flush away spills of up to one gallon to the nearest sewer. This product may cause slippery conditions; rinse thoroughly.

**Large Spills:** Pick up larger spills with inert absorbent and place in suitable container for disposal. This product may cause slippery conditions; rinse thoroughly.

## 7. HANDLING AND STORAGE

Keep this product in a properly labeled, tightly closed container and store in a cool, dry place. Do not let containers freeze as they may split or rupture.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety glasses recommended if splashing is possible.

**Skin:** Normally not required. Rubber gloves recommended for prolonged exposure or for sensitive skin.

**Respiratory:** Normally not required.

**Engineering Controls:** Normally not required. Ventilation and local exhaust generally adequate.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** 212°F/100°C **Specific Gravity:** 1.035 (H<sub>2</sub>O=1) **Vapor Pressure:** ND **Melting Point:** ND  
**Vapor Density:** ND **Evaporation Rate:** ~1.0 (Water=1) **Solubility in Water:** Complete **pH:** 8 - 9  
**Appearance and Odor:** Clear green liquid with lemon scent.

## 10. STABILITY AND REACTIVITY

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition:** When strongly heated, as in a fire, this product may produce nitrous oxide, sulfur dioxide. Hydrogen sulfide, Co and CO<sub>2</sub>.

**Chemical Stability:** Stable

**Incompatibility:** Strong 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, provincial and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

## 14. TRANSPORT INFORMATION

**DOT-Land:** Not regulated for transportation.

**TDG-Canada:** Not regulated for transportation.

**UN-IMDG-Ocean:** Not regulated.

**UN-IATA-AIR:** Not regulated.

## 15. REGULATORY INFORMATION

**VOC (Volatile Organic Compounds):** None

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

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

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

**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 54 DOUBLE SUDS**

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