



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 314 EARTH SMART® COOLING TOWER
 CONCENTRATE

USE/DESCRIPTION
 Earth Smart Cooling Tower Concentrate

REVISION DATE
 April 5, 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) 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: C



2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
Sodium Hydroxide	1310-73-2	0 - 15	NE	2 mg/m3	NE	NE
Hydroxyphosphono acetic Acid	23783-26-8	0 - 10	NE	5 mg/m3	NE	NE

3. HAZARDS IDENTIFICATION

Eyes: May cause irritation and/or burning sensation.

Skin: Prolonged or repeated contact may cause skin irritation.

Inhalation: High mist concentrations may cause irritation to the eyes, nose, throat and respiratory tract.

Ingestion: Possibly harmful if swallowed.

4. FIRST AID MEASURES

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

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

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

Ingestion: DO NOT induce vomiting. Dilute by drinking several glasses of water. Never give anything by mouth to an unconscious victim. Call a physician or poison center immediately.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): Non-Flammable

Explosive Limits: Lower (LEL): NA Upper (UEL): NA

Flame Projection (Aerosol): NA

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

Fire and Explosion Hazards: None known other than material can splatter above 212°F/100°C.

Extinguishing Media: Water fog, Alcohol foam, Carbon dioxide or Dry chemical.

Fire Fighting Instructions: Wear self-contained breathing apparatus w/full protective clothing. Do not release runoff from fire control methods to sewers or waterways.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Absorb spill with paper towel or similar absorbent. Flush residual with large amounts of water.

Large Spills: Spills should be collected to prevent contamination of waterways. Dike spill and recover quickly into suitable containers. Absorb spill with non-reactant absorbent like vermiculite or oil dry. Flush residual with large amounts of water.

7. HANDLING AND STORAGE

Keep this product in a properly labeled, tightly closed container. Do not allow this product to freeze, as containers may split or rupture. Do not store this material near any strong acids, bases, oxidizers, flammables or any other type of reactive material. Remove contaminated clothing and wash thoroughly with soap and water before reusing. Avoid contact with skin or eyes. Avoid breathing dust or mist. Wash hands and face with soap and water after using this product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses or safety goggles are recommended.

Skin: Chemical resistant gloves are recommended.

Respiratory: Use with adequate ventilation and avoid breathing vapors.

Engineering Controls: Mechanical ventilation not normally required and local exhaust is generally adequate to maintain airborne concentrations below OSHA PELs.

Other Protective Clothing: Prevent prolonged or repeated skin contact by wearing protective clothing and an apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: ~212°F/~100°C **Specific Gravity:** 1.09 (H₂O=1) **Vapor Pressure:** Same as water **Melting Point:** ND

Vapor Density: Same as water **Evaporation Rate:** ~1 **Solubility in Water:** Complete **pH:** 10 – 12

Appearance and Odor: Light amber liquid with slight odor.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: There are no known hazardous decomposition products for this material unless the material is burned in which case undetermined evolution of toxic gases may occur.

Chemical Stability: Stable

Incompatibility: Strong Acids, Strong Alkalis, and strong oxidizers or any other type of reactive material.

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): None

TSCA (Toxic Substances Control Act): Listed

SARA Title III Section 302 EHS: ND

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 314 EARTH SMART® COOLING TOWER CONCENTRATE PREPARED BY: Sandy Kopacz