



MATERIAL SAFETY DATA SHEET

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To Reorder Call:
 800-323-2594

1. PRODUCT AND COMPANY IDENTIFICATION

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

PRODUCT NAME
 UNITED 391 EARTH SMART® ZINC-FREE FLOOR
 FINISH

USE/DESCRIPTION
 20% Minimum Solids Zinc Free Floor Finish

REVISION DATE
 January 6, 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: p & n



2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
Diethylene glycol monoethyl ether	111-90-0	1 - 5	NE	NE	NE	NE

3. HAZARDS IDENTIFICATION

Eyes: Can cause mild to moderate irritation.

Skin: Prolonged or repeated contact can cause moderate irritation, defatting, or dermatitis.

Inhalation: Excessive inhalation of vapors may cause nasal and respiratory irritation.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4. FIRST AID MEASURES

Eyes: Immediately flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin: Flush contaminated skin with plenty of water. Consult a physician if irritation develops.

Inhalation: Remove exposed person to fresh air. If irritation persists, get medical attention immediately. If not breathing, give artificial respiration.

Ingestion: If this product is swallowed, DO NOT induce vomiting. If vomiting occurs, keep head below hip level to prevent aspiration (breathing) of fluid into the lungs. If affected person is conscious, give plenty of water to drink. Get medical attention at once.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): None

Explosive Limits: Lower (LEL): N/A Upper (UEL): N/A

Flame Projection (Aerosol): N/A

Hazardous Products of Combustion: When ignited, as in a fire, this product may produce carbon monoxide and carbon dioxide.

Fire and Explosion Hazards: None known.

Extinguishing Media: Foam, carbon dioxide, dry chemical.

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: Soak up with an inert absorbent and place in designated disposal container. Wash area thoroughly. Do not flush to sewer, stream or other bodies of water.

Large Spills: Contain material, if a substantial quantity is spilled, recover with pump or vacuum. Otherwise, soak up with an inert absorbent and place in designated disposal container. Wash area thoroughly. Do not flush to sewer, stream or other bodies of water.

7. HANDLING AND STORAGE

Keep containers tightly closed when not in use. Store in a cool and dry area. Handle with reasonable care. Avoid breathing vapors.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety goggles recommended.

Skin: Chemical resistant gloves recommended such as nitrile rubber.

Respiratory: None required if good ventilation is maintained. If TLV is exceeded, a NIOSH/MSHA jointly approved air supplied respirator is advised.

Engineering Controls: Mechanical ventilation recommended to reduce exposure.

Other Protective Equipment: Wear impervious clothing and boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 212°F/100°C **Specific Gravity:** 1.055 (H₂O=1) **Vapor Pressure:** ND **Melting Point:** ND
Vapor Density: <1 (Air=1) **Evaporation Rate:** <1 (BA=1) **Solubility in Water:** Complete **pH:** 8.0 – 8.5
Appearance and Odor: Milky white with characteristic acrylic scent.

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: Oxidizing agents such as bleach.

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: Available upon request

TDG: Available upon request

UN: Available upon request

15. REGULATORY INFORMATION

VOC (Volatile Organic Compounds): 8.82%

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: Diethylene glycol monoethyl CAS#111-90-0

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 391 EARTH SMART® ZINC-FREE FLOOR FINISH

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