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Version 3

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name United 291 SHINING ARMOR

Other means of identification

SDS # UNITED-291

Recommended use of the chemical and restrictions on use

Recommended Use Ultra-Solids Floor Finish
Uses Advised Against For industrial and institutional use only.

Details of the supplier of the safety data sheet

Supplier Address

United Laboratories, Inc.
 320 37th Avenue
 St. Charles, IL 60174
 www.unitedlabsinc.com

Emergency Telephone Number

Company Phone Number 800-323-2594 (to reorder)
Emergency Telephone (24 hr) INFOTRAC 1-800-535-5053 (North America)
 1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

Appearance Milky white liquid **Physical State** Liquid **Odor** Characteristic odor

Classification OSHA Regulatory Status

This chemical is considered hazardous set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS should be retained and available for employees and other users of this product.

Acute toxicity – Oral	Not classified
Acute toxicity – Dermal	Not classified

Hazard statements

Harmful to aquatic life with long lasting environment.

Precautionary Statements – Prevention: Avoid release to the environment.

Response: Specific treatment (See Section 4 on the SDS).

Disposal: Dispose of contents/container to an approved waste disposal plant.

Hazard no otherwise classified (HNOC)

25.3765% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %*
Zinc oxide	1314-13-2	1-5

*The exact percentage (concentration) has been withheld as a trade secret

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes while holding eyelids open. Get prompt medical attention.
Skin Contact	Wash with soap and plenty of water.
Inhalation	Remove to fresh air. If symptoms develop, seek medical attention.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects

Symptoms	Any additional important symptoms and effects are described in Section 11: Toxicology Information.
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Caution: Use of water spray when fighting fire may be insufficient

Specific Hazards Arising from the Chemical

No information available.

Hazardous Combustion Products No information available.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas
Environmental Precautions	See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up	Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed when not in use. Store in a cool and dry area.

Incompatible Materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Zinc oxide 1314-13-2	STEL: 10 mg/m respirable fraction TWA: 2 mg/m ³ respirable fraction	TWA: 5 mg/m ³ fume TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable frac. (vacated) TWA: 5 mg/m ³ fume (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction (vacated) STEL: 10 mg/m ³ fume	IDLH: 500 mg/m ³ Ceiling: 15 mg/m ³ dust TWA: 5 mg/m ³ dust and fume STEL: 10 mg/m ³ fume
Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8	STEL: 150 ppm TWA: 100 ppm S*	TWA: 100 ppm TWA: 600 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 600 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 900 mg/m ³ (vacated) S* S*	IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m ³ STEL: 150 ppm STEL: 900 mg/m ³

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls Showers, Eyewash stations & Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection No special technical protective measures are necessary. Safety goggles recommended.

Skin and Body Protection No special technical protective measures are necessary. Wear protective gloves and protective clothing. Prolonged contact may cause redness and irritation. Wear protective gloves and protective clothing if needed.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulation

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Characteristic odor
Appearance	Milky white liquid		

Color	Milky white	Odor Threshold	Not determined
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	8.0-8.6		
Melting Point/Freezing Point	No information available		
Boiling Point/Boiling Range	100 °C / 212 °F		
Flash Point	No information available		
Evaporation Rate	No information available		
Flammability (Solid, Gas)	Liquid- not applicable		
Upper Flammability Limits	Not applicable		
Lower Flammability Limit	Not applicable		
Vapor Pressure	No information available		
Vapor Density	No information available		
Specific Gravity	1.055		
Water Solubility	Completely soluble		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		
<u>Other Information</u>			
VOC Content	7.85		
Density Lbs/Gal	8.80		

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions. No other information available.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Extremes of temperature and direct sunlight. Keep out of reach of children.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact

Contact with eyes may cause severe irritation and possible chemical burns. No other information available.

Skin Contact

May be absorbed through the skin in harmful amounts. Prolonged contact may cause redness and irritation. Prolonged or repeated contact may cause absorption to the skin. Prolonged or repeated contact may dry skin and cause irritation. No other information available.

Inhalation	No data available. May cause irritation of respiratory tract. May cause possibly severe irritation of the respiratory tract.
Ingestion	Not an expected route of exposure. May cause gastro intestinal irritation. Harmful if swallowed. Ingestion may cause digestive tract irritation or corrosion, nausea and possibly bloody vomiting, bloody diarrhea and abdominal pain. No other information available.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-(2-ethoxyethoxy)ethanol 111-90-0	= 1920 mg/kg (Rat)	= 4200 µL/kg (Rabbit) = 6 mL/kg (Rat)	> 5240 mg/m ³ (Rat) 4 h
Zinc oxide 1314-13-2	>5000 mg/kg (Rat)	Yes	Yes
2-(2-methoxypropoxy)propanol 34590-94-8	= 5230 mg/kg (Rat)	= 9500 mg/kg (Rabbit)	Yes

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms. No other information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Sensitization No information available.

Germ cell mutagenicity No information available.

Reproductive toxicity No information available.

STOT-single exposure No information available.

STOT-repeated exposure No information available.

Target organ effects Central Nervous System, EYES, Respiratory system.

Aspiration hazard No information available.

Numerical measures of toxicity

Unknown Acute Toxicity 25.3765% of the mixture consists of ingredient(s) of unknown toxicity.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

37.38296% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Persistence/Degradability

No information available.

Bioaccumulation

No information available.

Mobility

Not determined.

Other Adverse Effects

Not determined.

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not reuse container.

This product contains one or more substances that are listed with the State of California as a hazardous waste: Zinc oxide (CAS:1314-13-2) – California Hazardous Waste Status: Toxic.

14. TRANSPORT INFORMATION

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in Section 1 of this SDS.

DOT Not regulated.

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
DSL/NDS: Complies

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part. 372.

Chemical Name **SARA 313 - Threshold Values %**

2-(2-ethoxyethoxy)ethanol - 111-90-0	1.0
[2-(2-Methoxymethylethoxy)methylethoxy]-propanol 25498-49-1	1.0
Zinc oxide - 1314-13-2	1.0
2-(2-methoxypropoxy)propano - 34590-94-8	1.0

CWA (Clean Water Act)

This product contains one or more substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA – Reportable Quantities	CWA – Toxic Pollutants	CWA – Priority Pollutants	CWA–Hazardous Substance
Zinc oxide 1314-13-2	Yes	X	Yes	Yes

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-(2-ethoxyethoxy)ethanol 111-90-0	X	Yes	X
[2-(2-Methoxymethylethoxy)methylethoxy]-propanol 25498-49-1	X	Yes	X
Zinc oxide 1314-13-2	X	X	X
Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8	X	X	X
Magnesium Nitrate 10377-60-3	X	X	X

US EPA Label Information

EPA Pesticide Registration Number-Not applicable.

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards Not determined	Flammability Not determined	Instability Not determined	Special Hazards Yes
<u>HMIS</u>	Health Hazards 1	Flammability 0	Physical Hazards 0	Personal Protection N & P

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 Sections 2/3/8/9/11/15

Disclaimer
 The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet