

Safety Data Sheet

Issue Date: 01-Jan-2007

Revision Date: 09-Mar-2015

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Ultra Glow Floor Finish

Other means of identification

SDS # DYNI-005

Recommended use of the chemical and restrictions on use

Recommended Use Floor Finish.

Details of the supplier of the safety data sheet

Supplier Address

Clean Cut
16 Meredith Circle
Needham, MA 02492

Emergency Telephone Number

Company Phone Number Phone: 781-352-4707

Fax: 781-352-4708

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear or translucent liquid

Physical State Liquid

Odor Mild

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Other Hazards

Harmful to aquatic life with long lasting effects
Harmful to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|--------------------------|-----------|----------|
| tributoxyethyl phosphate | 78-51-3 | 1-5 |
| Zinc Oxide | 1314-13-2 | <1 |
| Ammonium hydroxide | 1336-21-6 | <1 |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

General Advice

Provide this SDS to medical personnel for treatment. If exposed or concerned: Get medical advice/attention.

| | |
|---------------------|--|
| Eye Contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin Contact | Wash off immediately with plenty of water for at least 15 minutes. |
| Inhalation | Remove to fresh air. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. |

Most important symptoms and effects

| | |
|-----------------|---|
| Symptoms | Ingestion may cause nausea. Direct contact may cause skin or eye irritation. Prolonged exposure may produce headaches and mucous membrane irritation. |
|-----------------|---|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Not determined.

Hazardous Combustion Products Toxic gases may be released.

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. |
| Environmental Precautions | See Section 12 for additional Ecological Information. Prevent entry into drains, sewers and other waterways. |

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 | Absorb with inert material, and then place in suitable container for chemical waste. |

7. HANDLING AND STORAGE

Precautions for safe handling

| | |
|--------------------------------|--|
| Advice on Safe Handling | Handle in accordance with good industrial hygiene and safety practice. For industrial or professional use only. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. |
|--------------------------------|--|

Conditions for safe storage, including any incompatibilities

- Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep storage temperature between 4-32 °C (40-90 °F).
- Incompatible Materials** Materials incompatible with water.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|-------------------------|--|---|--|
| Zinc Oxide 1314-13-2 | STEL: 10 mg/m ³ 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 fraction (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 (vacated) | 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 |

Appropriate engineering controls

- Engineering Controls** Apply technical measures to comply with the occupational exposure limits. Showers. Eyewash stations. Ventilation systems.

Individual protection measures, such as personal protective equipment

- Eye/Face Protection** Safety goggles are recommended.
- Skin and Body Protection** Rubber gloves recommended.
- Respiratory Protection** Respiratory protection is recommended where exposure limits are exceeded.
- 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 | Mild |
| Appearance | Clear or translucent liquid | Odor Threshold | Not determined |
| Color | Clear or translucent | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|------------------------------|-----------------------|-------------------------|
| pH | 7.0-9.5 | |
| Melting Point/Freezing Point | Variable | |
| Boiling Point/Boiling Range | 100 °C / 212 °F | |
| Flash Point | > 121 °C / 250 °F | |
| Evaporation Rate | 1 | (Water = 1) |
| Flammability (Solid, Gas) | Liquid-Not Applicable | |
| Upper Flammability Limits | Not determined | |
| Lower Flammability Limit | Not determined | |
| Vapor Pressure | Not determined | |
| Vapor Density | 1 | (Water Vapor=1) |
| Specific Gravity | Variable | |
| Water Solubility | Infinitely miscible | |
| Solubility in other solvents | Not determined | |
| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |

| | |
|----------------------------------|----------------|
| 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 |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Temperatures of 212°F or above will boil water away.

Incompatible Materials

Materials incompatible with water.

Hazardous Decomposition Products

Thermal decomposition may produce toxic vapor or gas.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

- Eye Contact** May cause eye irritation on direct contact.
- Skin Contact** Direct contact may cause skin irritation.
- Inhalation** Prolonged exposure may produce headaches and mucous membrane irritation.
- Ingestion** Nausea may occur.

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|----------------------|---|--------------------------------------|
| Di(ethylene glycol) ethyl ether 111-90-0 | = 1920 mg/kg (Rat) | = 4200 µL/kg (Rabbit) = 6 mL/kg (Rat) | > 5240 mg/m ³ (Rat) 4 h |
| tributoxyethyl phosphate 78-51-3 | = 3000 mg/kg (Rat) | > 5000 mg/kg (Rabbit) | > 6.4 mg/L (Rat) 4 h |
| Zinc Oxide 1314-13-2 | > 5000 mg/kg (Rat) | - | - |
| Ammonium hydroxide 1336-21-6 | = 350 mg/kg (Rat) | - | - |
| Propylene Glycol Phenyl Ether 770-35-4 | = 2830 mg/kg (Rat) | > 2 g/kg (Rabbit) | - |

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

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

Carcinogenicity Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Component Information

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|----------------------|--|----------------------------|--|
| Di(ethylene glycol) ethyl ether 111-90-0 | | 11400 - 15700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 11600 - 16700: 96 h Pimephales promelas mg/L LC50 flow-through 10000: 96 h Lepomis macrochirus mg/L LC50 static 19100 - 23900: 96 h Lepomis macrochirus mg/L LC50 flow-through 13400: 96 h Salmo gairdneri mg/L LC50 flow-through | | 3940 - 4670: 48 h Daphnia magna mg/L EC50 |
| tributoxyethyl phosphate 78-51-3 | | 10.4 - 12.0: 96 h Pimephales promelas mg/L LC50 flow-through | | |
| Ammonium hydroxide 1336-21-6 | | 8.2: 96 h Pimephales promelas mg/L LC50 | | 0.66: 48 h water flea mg/L EC50 0.66: 48 h Daphnia pulex mg/L EC50 |

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

| Chemical Name | Partition Coefficient |
|---|-----------------------|
| Di(ethylene glycol) ethyl ether 111-90-0 | -0.8 |
| tributoxyethyl phosphate 78-51-3 | 4.78 |

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.

California Hazardous Waste Status

| Chemical Name | California Hazardous Waste Status |
|---------------------------------|-----------------------------------|
| Zinc Oxide 1314-13-2 | Toxic |
| Ammonium hydroxide 1336-21-6 | Toxic Corrosive |

14. TRANSPORT INFORMATION

- Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
- DOT** Not regulated
- IATA** Not regulated
- IMDG** Not regulated

15. REGULATORY INFORMATION

International Inventories

| Chemical Name | TSCA | DSL | NDSL | EINECS | ELINCS | ENCS | IECSC | KECL | PICCS | AICS |
|--------------------------|---------|-----|------|---------|--------|---------|-------|---------|-------|------|
| tributoxyethyl phosphate | Present | X | | Present | | Present | X | Present | X | X |
| Zinc Oxide | Present | X | | Present | | Present | X | Present | X | X |
| Ammonium hydroxide | Present | X | | Present | | Present | X | Present | X | X |

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*
- AICS - Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---------------------------------|--------------------------|----------------|---|
| Ammonium hydroxide 1336-21-6 | 1000 lb | | RQ 1000 lb final RQ RQ 454 kg final RQ |

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name | CAS No | Weight-% | SARA 313 - Threshold Values % |
|--|-----------|----------|-------------------------------|
| Di(ethylene glycol) ethyl ether - 111-90-0 | 111-90-0 | 5-10 | 1.0 |
| Zinc Oxide - 1314-13-2 | 1314-13-2 | <1 | 1.0 |
| Ammonium hydroxide - 1336-21-6 | 1336-21-6 | <1 | 1.0 |

CWA (Clean Water Act)

This product contains the following substances which are regulated 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 Substances |
|--------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Zinc Oxide | | X | | |
| Ammonium hydroxide | 1000 lb | | | X |

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| Di(ethylene glycol) ethyl ether 111-90-0 | X | | X |
| Zinc Oxide 1314-13-2 | X | X | X |
| Ammonium hydroxide 1336-21-6 | X | X | X |

16. OTHER INFORMATION

NFPA

Health Hazards

Flammability

Instability

Special Hazards

1

0

0

Not determined

HMIS

Health Hazards

Flammability

Physical Hazards

Personal Protection

Not determined

Not determined

Not determined

Not determined

Issue Date:

01-Jan-2007

Revision Date:

09-Mar-2015

Revision Note:

New format

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