



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product name **Hardwood & Laminate Floor Refinisher**
Product code **ZUHFR**
Date of issue **04/02/10** **Supersedes**

Emergency Telephone Numbers

For MSDS Information:
 Compliance Services 404-352-1680

For Medical Emergency
 (877) 541-2016 Toll Free - All Calls Recorded

For Transportation Emergency
 CHEMTREC: (800) 424-9300 - All Calls Recorded
 In the District of Columbia (202) 483-7616

Prepared By
 Compliance Services
 1420 Seaboard Industrial Blvd.
 Atlanta, GA 30318

Section 2. Hazards Identification

Emergency overview

CAUTION !

CAUSES EYE IRRITATION.

*Hazard Determination System (HDS): Health, Flammability, Reactivity



NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Acute Effects

Routes of Entry

Absorbed through skin. Inhalation.

- Eyes** May cause eye irritation. Inflammation of the eye is characterized by redness, watering and itching.
- Skin** May cause skin irritation. May be harmful if absorbed through the skin. Skin inflammation is characterized by itching, scaling, or reddening.
- Inhalation** Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system (CNS) depression.
- Ingestion** No data on acute toxicity of the product when ingested. Ingestion may cause nausea, weakness and central nervous system effects.

Repeated or prolonged exposure to the substance can produce damage to kidneys.

Carcinogenicity Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

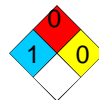
<u>Name of Hazardous Ingredients</u>	<u>CAS number</u>	<u>% by Weight</u>
DIPROPYLENE GLYCOL METHYL ETHER; dipropylene glycol monomethyl ether	34590-94-8	1 - 5
TRIBUTOXYETHYL PHOSPHATE; Tris (2-butoxyethyl) phosphate	78-51-3	1 - 5

Section 4. First Aid Measures

- Eye Contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.
- Skin Contact** Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.
- Inhalation** Move exposed person to fresh air. If irritation persists, get medical attention.
- Ingestion** Do not induce vomiting unless directed to do so by medical personnel. If affected person is conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A.)



Flash Point	None.
Flammable Limits	Not determined.
Flammability	Non-combustible.
Fire hazard	May emit toxic fumes under fire conditions.
Fire-Fighting Procedures	Use dry chemical, CO ₂ , water spray (fog) or foam. Cool closed containers exposed to fire with water. Fire-fighters should wear appropriate protective equipment.

Section 6. Accidental Release Measures

Spill Clean up	Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.
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Section 7. Handling and Storage

Handling	Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Avoid breathing vapors of this product. Do not ingest. Use only with adequate ventilation. Do not reuse container. Wash thoroughly after handling.
Storage	Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection**Product name**

DIPROPYLENE GLYCOL METHYL ETHER; dipropylene glycol monomethyl ether

Exposure limits**ACGIH TLV (United States, 1/2009). Absorbed through skin.**

TWA: 100 ppm 8 hour(s).
 TWA: 606 mg/m³ 8 hour(s).
 STEL: 150 ppm 15 minute(s).
 STEL: 909 mg/m³ 15 minute(s).

OSHA PEL 1989 (United States, 3/1989). Absorbed through skin.

TWA: 100 ppm 8 hour(s).
 TWA: 600 mg/m³ 8 hour(s).
 STEL: 150 ppm 15 minute(s).
 STEL: 900 mg/m³ 15 minute(s).

NIOSH REL (United States, 6/2008). Absorbed through skin.

TWA: 100 ppm 10 hour(s).
 TWA: 600 mg/m³ 10 hour(s).
 STEL: 150 ppm 15 minute(s).
 STEL: 900 mg/m³ 15 minute(s).

OSHA PEL (United States, 11/2006). Absorbed through skin.

TWA: 100 ppm 8 hour(s).
 TWA: 600 mg/m³ 8 hour(s).

Personal Protective Equipment (PPE)

Eyes	Safety glasses.
Body	For prolonged or repeated handling, use gloves. Recommended: Rubber gloves. Neoprene gloves. Nitrile gloves.
Respiratory	Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.

**Section 9. Physical and Chemical Properties**

Physical State	Thin liquid	Color	Milky-white
pH	8.0-9.0	Odor	Mild. Ammoniacal.
Boiling Point	100°C (212°F)	Vapor Pressure	Not determined.
Specific Gravity	1.028	Vapor Density	Not determined.
Solubility	Easily soluble in the following materials: cold water and hot water.	Evaporation Rate	1 (Water = 1)
		VOC (Consumer)	38 (g/l). 0.32 lbs/gal (3.68%)

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Keep away from heat, sparks and flame. Reactive or incompatible with the following materials: oxidizing materials.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	carbon oxides (CO, CO ₂), acrylic monomers

Section 11. Toxicological Information**Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Dipropylene Glycol Methyl Ether	LD50 Dermal	Rabbit	13000 mg/kg	-
	LD50 Oral	Rat	5220 mg/kg	-

Section 12. Ecological Information

Environmental Effects No known significant effects or critical hazards.

Aquatic Ecotoxicity


Not available.

Section 13. Disposal Considerations**Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

Waste Stream Code: - (None.)
Classification: - (Non-hazardous waste)

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	Not regulated.	Not a DOT controlled material (United States).			
TDG Classification	Not regulated.	Not a TDG-controlled material.			
IMDG Class	Not determined.				

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG* : Packing group

Section 15. Regulatory Information**U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:
No products were found.

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

TSCA 4(a) final test rules: Dipropylene Glycol Methyl Ether

TSCA 8(a) PAIR: Dipropylene Glycol Methyl Ether; Tributoxylethyl phosphate

United States inventory (TSCA 8b): All components are listed or exempted.

TSCA 12(b) one-time export: Dipropylene Glycol Methyl Ether

State Regulations

California Prop 65 No products were found.

Canada

WHMIS (Canada) Class D-2B: Material causing other toxic effects (Toxic).

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.