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HD Floor Stripper

Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product name **Heavy Duty Floor Stripper**
Product code **ZULFFS**
Date of issue **02/10/13** Supersedes **08/15/11**
Not available.

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

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

DANGER!

CAUSES BURNS. HARMFUL IF ABSORBED THROUGH SKIN OR IF SWALLOWED.

2 1 0

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

Dermal contact. Eye contact. Inhalation.

- Eyes** Causes eye burns. Direct contact with the eyes can cause irreversible damage, including blindness.
- Skin** Causes skin irritation. Prolonged exposure may result in skin burns and ulcerations. Harmful if absorbed through the skin. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.
- Inhalation** Avoid breathing vapors, spray or mists. Inhalation of the spray or mist may produce severe irritation of respiratory tract, characterized by coughing, choking or shortness of breath. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system (CNS) depression.
- Ingestion** Harmful if swallowed. May cause burns to mouth, throat and stomach. Aspiration hazard if swallowed. Can enter lungs and cause damage.

Chronic effects

Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Contains material which may cause damage to the following organs: blood, kidneys, liver, central nervous system (CNS).

Carcinogenicity No known significant effects or critical hazards.

Product/ingredient name

ACGIH	IARC	EPA	NIOSH	NTP	OSHA
A3	3	-	-	-	-

2-butoxyethanol

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>
2-butoxyethanol	111-76-2	10 - 20
2-aminoethanol	141-43-5	5 - 15

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 immediately.
Inhalation	Move exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. 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	Closed cup: >93.3°C (>199.9°F) [Tagliabue.]
Flammable Limits	Not available.
Flammability	Non-combustible.
Fire hazard	In a fire or if heated, a pressure increase will occur and the container may burst. May emit toxic fumes under fire conditions.
Fire-Fighting Procedures	Use an extinguishing agent suitable for the surrounding fire. Do not release runoff from fire to drains or watercourses. Fire-fighters should wear appropriate protective equipment.

Section 6. Accidental Release Measures

Spill Clean up	Eliminate all ignition sources. 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. Dispose of via a licensed waste disposal contractor.
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Section 7. Handling and Storage

Handling	Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Keep away from acids. Empty containers retain product residue and can be hazardous. 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. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection**Product name**Butyl Cellosolve; Ethylene Glycol Monobutyl Ether;
2-Butoxyethanol**Exposure limits**

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

TWA: 25 ppm 8 hour(s).

TWA: 120 mg/m³ 8 hour(s).

NIOSH REL (United States, 6/2009). Absorbed through skin.

TWA: 5 ppm 10 hour(s).

TWA: 24 mg/m³ 10 hour(s).

ACGIH TLV (United States, 2/2010).

TWA: 20 ppm 8 hour(s).

OSHA PEL (United States, 6/2010). Absorbed through skin.

TWA: 50 ppm 8 hour(s).

TWA: 240 mg/m³ 8 hour(s).

ACGIH TLV (United States, 2/2010).

TWA: 3 ppm 8 hour(s).

TWA: 7.5 mg/m³ 8 hour(s).

STEL: 6 ppm 15 minute(s).

STEL: 15 mg/m³ 15 minute(s).

OSHA PEL 1989 (United States, 3/1989).

TWA: 3 ppm 8 hour(s).

TWA: 8 mg/m³ 8 hour(s).

STEL: 6 ppm 15 minute(s).

Monoethanolamine

STEL: 15 mg/m³ 15 minute(s).
 NIOSH REL (United States, 6/2009).
 TWA: 3 ppm 10 hour(s).
 TWA: 8 mg/m³ 10 hour(s).
 STEL: 6 ppm 15 minute(s).
 STEL: 15 mg/m³ 15 minute(s).
 OSHA PEL (United States, 6/2010).
 TWA: 3 ppm 8 hour(s).
 TWA: 6 mg/m³ 8 hour(s).

Personal Protective Equipment (PPE)

Eyes Splash goggles.

Body Wear appropriate protective clothing to prevent skin contact.
 Recommended: Neoprene gloves. Nitrile gloves. Rubber gloves.
 Synthetic apron.

Respiratory Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate.

**Section 9. Physical and Chemical Properties**

Physical State Liquid. **Color** Clear. Colorless.

pH 11.5 to 12.5 **Odor** Solvent-like. Butyl

Boiling Point >100°C (>212°F) **Vapor Pressure** 1.9 kPa (14.5 mm Hg) [20°C]

Specific Gravity 1 **Vapor Density** Not determined.

Solubility Soluble in the following materials: cold water and hot water. **Evaporation Rate** <1 (Water = 1)

VOC (Consumer) 24 % (w/w) 2 lbs/gal (240 g/l)

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Reactive or incompatible with the following materials: oxidizing materials and acids.

Hazardous Polymerization Under normal conditions of storage and use, hazardous polymerization will not occur.

Hazardous Decomposition Products carbon oxides (CO, CO₂)

Section 11. Toxicological Information**Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
2-aminoethanol	LD50 Oral	Rat	1720 mg/kg	-
2-butoxyethanol	LC50 Inhalation Gas.	Rat	450 ppm	4 hours
	LD50 Dermal	Rabbit	220 mg/kg	-
	LD50 Oral	Rat	250 mg/kg	-

Section 12. Ecological Information

Environmental Effects Not available.

Aquatic Ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
2-aminoethanol	-	Acute EC50 80000 ug/L	Algae - Haptophyte -	96 hours
	-	Fresh water	Isochrysis galbana	
	-	Acute LC50 >100000	Crustaceans - Common	48 hours
	-	ug/L Marine water	shrimp, sand shrimp -	
	-	Acute LC50 150 mg/L	Crangon crangon - Adult	96 hours
	-	Fresh water	Fish - Rainbow trout,	
	-		donaldson trout -	
	-		Oncorhynchus mykiss -	
	-		Yolk-sac fry	
2-butoxyethanol	-	Acute EC50 >1000 mg/	Daphnia - Water flea -	48 hours
	-	L Fresh water	Daphnia magna - <24	
	-	Acute LC50 800000 ug/	Crustaceans - Common	48 hours
	-	L Marine water	shrimp, sand shrimp -	
	-	Acute LC50 1250000	Crangon crangon	96 hours
	-	ug/L Marine water	Fish - Inland silverside -	
	-		Menidia beryllina - 40	
	-		to 100 mm	

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: Not applicable.

Origin:

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	Not regulated.	-	-	-	
TDG Classification	Not available.	Not available.	Not available.	-	
IMDG Class	Not determined.	Not available.	Not available.	-	

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:

Product name

Glycol Ethers

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.

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

State Regulations

California Prop 65

No products were found.

Canada

WHMIS (Canada)

Class D-1A: Material causing immediate and serious toxic effects (Very toxic).

Class E: Corrosive material

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.

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