

Material Safety Data Sheet

Charger

1. Product and company identification

Product name	Charger	Validation date	8/27/2010.
Material uses	Floor Finish	Print date	8/27/2010.
In case of emergency	1-800-843-6174	Responsible name	Regulatory Affairs Department
Supplier	Huco Products Co. 101 Sherman Ave. Lubbock, TX 79415 Phone: 806-763-4644		

Hazardous Material Information System (U.S.A.)

Health	HAZARD RATING
Flammability	4 = Extreme
Physical hazards	3 = High
	2 = Moderate
	1 = Slight
Personal protection	0 = Insignificant

A = Goggles B = Goggles & Gloves C = Goggles, Gloves & Apron

2. Hazards identification

Emergency overview CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA.
Contains material that may cause target organ damage, based on animal data.

Potential acute health effects due to overexposure

Inhalation No known significant effects or critical hazards.
Ingestion No known significant effects or critical hazards.
Skin No known significant effects or critical hazards.
Eyes No known significant effects or critical hazards.

Potential chronic health effects due to overexposure

Carcinogenicity No known significant effects or critical hazards.
Mutagenicity No known significant effects or critical hazards.
Teratogenicity No known significant effects or critical hazards.
Developmental effects No known significant effects or critical hazards.
Fertility effects No known significant effects or critical hazards.

See toxicological information (section 8)

3. Composition/information on ingredients

Name	CAS number	%
diethylene glycol monoethyl ether	111-90-0	1 - 5
(2-methoxymethyl)ethoxypropanol	34590-94-8	1 - 5

SARA 313 (Form R - Reporting requirements)

Product name	CAS number	Concentration
diethylene glycol monoethyl ether	111-90-0	3.1233

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	No significant risk level	Max acceptable dosage
dibutyl phthalate	No.	Yes.	No.	Yes.

4. First aid measures

Eye contact Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation Move exposed person to fresh air. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Ingestion Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention immediately.

Protection of first-aiders No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Notes to physician No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

Flammability of the product	In a fire or if heated, a pressure increase will occur and the container may burst.
Extinguishing media	
Suitable	Use an extinguishing agent suitable for the surrounding fire.
Special exposure hazards	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide carbon monoxide phosphorus oxides
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Control and preventive measures

Storage Store in accordance with local regulations. Keep container tightly closed and sealed until ready for use. Use appropriate containment to avoid environmental contamination.

Ingredient	Exposure limits
diethylene glycol monoethyl ether	AHA WEEL (United States, 1/2009). TWA: 25 ppm 8 hour(s). OSHA PEL (United States, 11/2006). Absorbed through skin. TWA: 100 ppm 8 hour(s).
(2-methoxymethylethoxy)propanol	

Personal protection

Respiratory	None required. However, use of adequate ventilation is good industrial practice.
Hands	Rubber gloves.
Skin	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Eyes	Safety glasses.

Methods for cleaning up

Small spill	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Waste disposal	Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

7. Physical and chemical properties

Physical state	Liquid	Boiling/condensation point	100°C (212°F)
Color	Milky White	Melting/freezing point	0°C (32°F)
Odor	Bland	Vapor pressure	<4 kPa (<30 mm Hg)
VOC	2.6%	Vapor density	<1
pH	7.7 to 8.7	Weight per Gallon:	8.57 lbs./gal.
1% pH:	N.A.	Specific Gravity:	1.03 gm/ml

8. Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
(2-methoxymethylethoxy)propanol	LD50 Oral	Rat	5.5 ml/kg	-
diethylene glycol monoethyl ether	LD50 Oral	Rat	7500 mg/kg	-

Conclusion/Summary Not available

Chronic toxicity

Conclusion/Summary Not available

9. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	Not regulated	-	-	-	-	-

PG* : Packing group