

Material Safety Data Sheet

Super Stripper

Custodial

1. Product and company identification

Product name	Super Stripper	In case of emergency	1-800-843-6174
Code	2900FX	Validation date	7/2/2013.
Material uses	Floor finish remover	Print date	7/2/2013.
Manufacturer	Essential Industries, Inc. P.O. Box 12 Merton, WI 53056-0012 Phone: 262-538-1122	Responsible name	Regulatory Affairs Department

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

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

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

2. Hazards identification

Emergency overview WARNING! CORROSIVE LIQUID
HARMFUL IF INHALED OR SWALLOWED. CORROSIVE TO EYES AND SKIN. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA.
Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.

Potential acute health effects due to overexposure

Inhalation Harmful by inhalation. Corrosive to the respiratory system.
Ingestion Harmful if swallowed. May cause burns to mouth, throat and stomach.
Skin Corrosive to the skin. May cause severe burns. May be absorbed through skin with prolonged or repeated contact.
Eyes Corrosive to eyes. May cause severe burns. Risk of serious damage to eyes.

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	%
2-butoxyethanol	111-76-2	10 - 30
2-aminoethanol	141-43-5	1 - 5
potassium hydroxide	1310-58-3	1 - 5

SARA 313 (Form R - Reporting requirements)

Product name	CAS number	Concentration
2-butoxyethanol	111-76-2	17.1

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 less than 0.1% of a chemical known to the State of California to cause cancer.

ingredient name	Cancer	Reproductive	No significant risk level	Max acceptable dosage
diethanolamine	Yes.	No.	No.	No.

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. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. 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. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
Notes to physician	Corrosive Liquid. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Probable mucosal damage may contraindicate the use of gastric lavage.

5. Fire-fighting measures

Flammability of the product	In a fire or if heated, a pressure increase will occur and the container may burst.
<u>Extinguishing media</u>	
Suitable	Use an extinguishing agent suitable for the surrounding fire.
Special exposure hazards	Corrosive Liquid. 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 nitrogen oxides sulfur oxides metal oxide/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.
Flash point	Closed cup: >93.3°C (>200°F)

6. Control and preventive measures

Storage	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials 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.
---------	--

Ingredient	Exposure limits
2-butoxyethanol	<p>OSHA PEL (United States, 6/2010). Absorbed through skin. TWA: 50 ppm 8 hour(s). TWA: 240 mg/m³ 8 hour(s).</p> <p>OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. TWA: 25 ppm 8 hour(s). TWA: 120 mg/m³ 8 hour(s).</p> <p>NIOSH REL (United States, 6/2009). Absorbed through skin. TWA: 5 ppm 10 hour(s). TWA: 24 mg/m³ 10 hour(s).</p> <p>ACGIH TLV (United States, 3/2012). TWA: 20 ppm 8 hour(s).</p>
2-aminoethanol	<p>OSHA PEL (United States, 6/2010). TWA: 3 ppm 8 hour(s). TWA: 6 mg/m³ 8 hour(s).</p> <p>ACGIH TLV (United States, 3/2012). 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).</p> <p>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). STEL: 15 mg/m³ 15 minute(s).</p> <p>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).</p>
potassium hydroxide	<p>OSHA PEL 1989 (United States, 3/1989). CEIL: 2 mg/m³</p> <p>ACGIH TLV (United States, 3/2012). C: 2 mg/m³</p>

6. Control and preventive measures

NIOSH REL (United States, 6/2009).
TWA: 2 mg/m³ 10 hour(s).

Personal protection

Respiratory	None required with adequate ventilation. In situations where respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.
Hands	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
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 eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

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	Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

7. Physical and chemical properties

Physical state	Liquid	Boiling/condensation point	100°C (212°F)
Color	Colorless	Melting/freezing point	0°C (32°F)
Odor	Solvent	Vapor pressure	<4 kPa (<30 mm Hg)
pH	12.5 - 14.0	Vapor density	<1 [Air = 1]
1% pH:	11 [Basic.]	Weight per Gallon:	8.57 lbs./gal.
VOC *	21 % (w/w)	Specific Gravity:	1.03 gm/ml

* Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

8. Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-butoxyethanol	LD50 Dermal	Rabbit	220 mg/kg	-
	LD50 Intraperitoneal	Rat	220 mg/kg	-
	LD50 Intravenous	Rat	307 mg/kg	-
	LD50 Oral	Rat	917 mg/kg	-
	LD50 Oral	Rat	250 mg/kg	-
	LD50 Unreported	Rat	917 mg/kg	-
	LDLo Oral	Rat	1500 mg/kg	-
	TDLo Oral	Rat	500 mg/kg	-
	TDLo Unreported	Rat	250 mg/kg	-
	LC50 Inhalation Vapor	Rat	2900 mg/m ³	7 hours
	LC50 Inhalation Gas.	Rat	450 ppm	4 hours
2-aminoethanol	LD50 Dermal	Rabbit	1 mL/kg	-
	LD50 Intramuscular	Rat	1750 mg/kg	-
	LD50 Intraperitoneal	Rat	67 mg/kg	-
	LD50 Intravenous	Rat	225 mg/kg	-
	LD50 Oral	Rat	1720 mg/kg	-
	LD50 Subcutaneous	Rat	1500 mg/kg	-
LD50 Oral	Rat	273 mg/kg	-	

potassium hydroxide
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	UN1719	Caustic alkali liquids, n.o.s. (Potassium hydroxide, Monoethanolamine)	8	III		-

PG* : Packing group