

SAFETY DATA SHEET

DRY FOAM CARPET SHAMPOO

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Product name : DRY FOAM CARPET SHAMPOO
Product no. : 00314CC

Use of the substance/preparation : Dry foam rug shampoo

Company/undertaking identification

Manufacturer : Essential Industries, Inc.
P.O. Box 12
28391 Essential Rd.
Merton, WI 53056-0012 USA

Supplier : Essential Industries, Inc.
P.O. Box 12
28391 Essential Rd.
Merton, WI 53056-0012
United States

Emergency telephone number : 001-262-821-7814

2. Composition/information on ingredients

Substance/preparation : Preparation

Ingredient name	CAS number	%	EC number	Classification
2-butoxyethanol	111-76-2	10-15	203-905-0	Xn; R20/21/22 Xi; R36/38
sodium dodecyl sulfate	151-21-3	5-10	205-788-1	Xn; R22
propan-2-ol	67-63-0	1-5	200-661-7	F; R11 Xi; R36 R67
See section 16 for the full text of the R-phrases declared above				

Occupational exposure limits, if available, are listed in section 8.

3. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

See section 11 for more detailed information on health effects and symptoms.

4. First aid measures

First aid measures

- Inhalation** : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
- Ingestion** : Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately.
- Skin contact** : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention.

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Eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Specific treatments : None identified.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

Extinguishing media : In case of fire, use water spray (fog), foam, dry chemical or CO₂.

Special exposure hazards : No specific hazard.
Not available.

Hazardous thermal decomposition products : Decomposition products may include the following materials: carbon oxides (CO, CO₂), sulfur oxides (SO₂, SO₃ etc.). Some metallic oxides.

Special protective equipment for fire-fighters : Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

Personal precautions : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Follow all fire-fighting procedures (section 5).

Environmental precautions and clean-up methods : Avoid contact of spilled material with soil and prevent runoff entering surface waterways. See section 13 for waste disposal information.

If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling : Wash thoroughly after handling.

Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area.

Packaging materials

Recommended : Use original container.

Specific uses : Industrial applications

8. Exposure controls/personal protection

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
2-butoxyethanol	EU OEL (Europe, 2000). Skin Notes: Indicative STEL: 246 mg/m ³ 15 minute(s). STEL: 50 ppm 15 minute(s). TWA: 98 mg/m ³ 8 hour(s). TWA: 20 ppm 8 hour(s).
propan-2-ol	ACGIH TLV (United States, 2003). Notes: ACGIH 2003 Adoption Refers to Appendix A -- Carcinogens. STEL: 400 ppm 15 minute(s). TWA: 200 ppm 8 hour(s).

Recommended monitoring procedures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Exposure controls

Occupational exposure controls : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection : A respirator is not needed under normal and intended conditions of product use.

Hand protection : Use latex gloves.

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- Eye protection** : Safety glasses.
- Skin protection** : Additional body garments should be used (e.g. sleevelets, apron, disposable suit etc.), based on the task being performed.

9. Physical and chemical properties

General information

Appearance

- Physical state** : Liquid.
- Color** : Aqua.
- Odor** : Citrus.

Important health, safety and environmental information

- pH** : 6.2-7.1
- Boiling point** : Lowest known value: 82.55°C (180.6°F) (propan-2-ol). Weighted average: 109.05°C (228.3°F)
- Melting point** : May start to solidify at the following temperature: 204.06 to 207.06°C (399.3 to 404.7°F)
This is based on data for the following ingredient: sodium dodecyl sulfate. Weighted average: 3.48°C (38.3°F)
- Flash point** : Lowest known value: Open cup: 11.9°C (53.4°F). (propan-2-ol)
- Flammability (solid, gas)** : Not applicable.
- Explosive properties** : Risk of explosion of the product in the presence of mechanical impact: Not available.
Risk of explosion of the product in the presence of static discharge: Not available.
- Oxidizing properties** : Not available.
- Relative density** : Weighted average: 0.98 g/cm³
- Solubility** : Easily soluble in the following materials: cold water, hot water, methanol, acetone.
- Vapor density** : Highest known value: 4.07 (Air = 1) (2-butoxyethanol). Weighted average: 3.68 (Air = 1)
- Evaporation rate (butyl acetate = 1)** : Highest known value: 1.7 (propan-2-ol) Weighted average: 0.36 compared with Butyl acetate.

Other information

- Auto-ignition temperature** : Lowest known value: 244.05°C (471.3°F) (2-butoxyethanol).

10. Stability and reactivity

- Stability** : The product is stable.
- Conditions to avoid** : None identified.
- Materials to avoid** : None identified.
- Hazardous decomposition products** : Decomposition products may include the following materials: carbon oxides (CO, CO₂), sulfur oxides (SO₂, SO₃ etc.). Some metallic oxides.

11. Toxicological information

Potential acute health effects

- Inhalation** : May cause respiratory tract irritation.
- Ingestion** : May irritate digestive tract.
- Skin contact** : Prolonged or repeated contact may dry skin and cause irritation.
- Eye contact** : Direct contact may cause irritation and redness.

Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
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2-butoxyethanol	LD50	470 mg/kg	Oral	Rat
	LD50	300 mg/kg	Oral	Rabbit
	LD50	1200 mg/kg	Oral	Guinea pig
	LD50	220 mg/kg	Dermal	Rabbit
sodium dodecyl sulfate propan-2-ol	LD50	1288 mg/kg	Oral	Rat
	LD50	5045 mg/kg	Oral	Rat
	LD50	6410 mg/kg	Oral	Rabbit
	LD50	3600 mg/kg	Oral	Mouse
	LD50	12800 mg/kg	Dermal	Rabbit
	LDLo	1537 mg/kg	Oral	Dog
	LDLo	3570 mg/kg	Oral	human
	LDLo	5272 mg/kg	Oral	man

Carcinogenicity :

Mutagenicity :

Reproductive toxicity :

Over-exposure signs/symptoms

Target organs : Contains material which causes damage to the following organs: blood, kidneys, liver, lymphatic system, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

Other adverse effects : Not available.

12. Ecological information

Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
2-butoxyethanol sodium dodecyl sulfate	Lepomis macrochirus (LC50)	96 hour(s)	1490 mg/l
	Daphnia magna (EC50)	48 hour(s)	6 mg/l
	Daphnia magna (EC50)	48 hour(s)	31 mg/l
	Selenastrum capricornutum (EC50)	48 hour(s)	104.8 mg/l
	Cyprinus carpio (LC50)	96 hour(s)	1.31 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	4.5 mg/l
propan-2-ol	Oncorhynchus mykiss (LC50)	96 hour(s)	4.62 mg/l
	Pimephales promelas (EC50)	48 hour(s)	10000 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	>1400 mg/l
	Pimephales promelas (LC50)	96 hour(s)	6550 mg/l
	Pimephales promelas (LC50)	96 hour(s)	9640 mg/l
	Pimephales promelas (LC50)	96 hour(s)	10400 mg/l
	Pimephales promelas (LC50)	96 hour(s)	11130 mg/l

Mobility : Not available.

Other adverse effects : Not available.

13. Disposal considerations

Methods of disposal : Avoid contact of spilled material and runoff with soil and surface waterways. Dispose of according to all federal, state and local applicable regulations.

Waste classification : Not applicable.

European waste catalogue (EWC) : Not available.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC..

14. Transport information**International transport regulations**

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
ADR/RID Class	Not Regulated.	-	-	-		-
ADNR Class	Not Regulated.	-	-	-		-
IMDG Class	Not Regulated.	-	-	-		-
IATA-DGR Class	Not Regulated.	-	-	-		-

15. Regulatory information**EU regulations**

Hazard symbol or symbols :



Risk phrases : This product is not classified according to EU legislation.

Safety phrases : No specific safety phrase has been found which is applicable to this product.

Contains : 5-chloro-2-methyl-2,3-dihydroisothiazol-3-one 247-500-7
 3(2h)-isothiazolone, 2-methyl- 220-239-6
 Citral 226-394-6
 (R)-p-Mentha-1,8-diene 227-813-5

Product use : Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.
 - Industrial applications.

Additional warning phrases : Safety Data Sheet available for professional user on request.

EU statistical classification (Tariff Code) : 32089091

16. Other information

Full text of R-phrases referred to in sections 2 and 3 - Europe : R11- Highly flammable.
 R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.
 R22- Harmful if swallowed.
 R36- Irritating to eyes.
 R36/38- Irritating to eyes and skin.
 R67- Vapors may cause drowsiness and dizziness.

Full text of classifications referred to in sections 2 and 3 - Europe : F - Highly flammable
 Xn - Harmful
 Xi - Irritant

History

Date of printing : 4/24/2008.
Date of issue : 4/24/2008.
Date of previous issue : No previous validation.
Version : 1
Prepared by : Regulatory Affairs.

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Notice to reader

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.

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