

SAFETY DATA SHEET

CITRUS SCRUB 'N SHINE

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

Identification of the substance or preparation

Product name : CITRUS SCRUB 'N SHINE
Product no. : 00525FR

Use of the substance/preparation : Combination floor cleaner and restorer

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
(R)-p-Mentha-1,8-diene	5989-27-5	0.1-1	227-813-5	R10 Xi; R38 R43 N; R50/53
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 classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : R10; R52/53

Physical/chemical hazards : None identified.

Human health hazards : Contains ((R)-p-Mentha-1,8-diene). May produce an allergic reaction.

Environmental hazards : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

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- 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.
- 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** : Use foam or all-purpose dry chemical to extinguish. This material is harmful to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Special exposure hazards** : No specific hazard.
Not available.
- Hazardous thermal decomposition products** : None.
- Special protective equipment for fire-fighters** : Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
- Remark** : No additional remark.

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** : Avoid contact of spilled material and runoff with soil and surface waterways.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.
- Packaging materials**
- Recommended** : Use original container.
- Specific uses** : Industrial use only.

8. Exposure controls/personal protection

- Exposure limit values** : Not available.
- 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.
- 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 : Light yellow.
Odor : Citrus.

Important health, safety and environmental information

- pH** : 10.0 - 10.6
Boiling point : Lowest known value: 100°C (212°F) (water).
Melting point : May start to solidify at the following temperature: 0°C (32°F) This is based on data for the following ingredient: water.
Flash point : 127°F 53°C (C.C.)
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 : 8.32 lbs/gal
Solubility : Easily soluble in the following materials: cold water, hot water, methanol, acetone.
Octanol/water partition coefficient : Not determined.
Viscosity : Not determined.
Evaporation rate (butyl acetate = 1) : 0.36 (water) compared with Butyl acetate.

Other information

10. Stability and reactivity

- Stability** : The product is stable.
Conditions to avoid : Avoid all possible sources of ignition (spark or flame).
Materials to avoid : None identified.
Hazardous decomposition products : None.

11. Toxicological information

Potential acute health effects

- Inhalation** : May cause respiratory tract irritation.
Ingestion : May irritate digestive tract.
Skin contact : Irritating to skin. May cause sensitization by skin contact.
Eye contact : Irritating to eyes.

Acute toxicity

Ingredient name	Test	Result	Route	Species
(R)-p-Mentha-1,8-diene	LD50	4400 mg/kg	Oral	Rat
	LD50	5600 mg/kg	Oral	Mouse

- Carcinogenicity** : No carcinogenic effect known.
Mutagenicity : No mutagenic effect.
Reproductive toxicity : No teratogenic effect.

Over-exposure signs/symptoms

- Other adverse effects** : Not available.

12. Ecological information**Ecotoxicity data**

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
(R)-p-Mentha-1,8-diene	Daphnia pulex (EC50)	48 hour(s)	69.6 mg/l
	Pimephales promelas (LC50)	96 hour(s)	0.702 mg/l

Mobility : Not available.**Other adverse effects** : Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.**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** : The classification of the product may meet the criteria for a hazardous waste.**14. Transport information****International transport regulations**

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
ADR/RID Class	Not Regulated.	Not controlled under ADR (Europe).		-		-
ADNR Class	Not Regulated.	Not controlled under ADNR (Europe).		-		-
IMDG Class	Not Regulated.	Not controlled under IMDG.	Not available.	-		-
IATA-DGR Class	Not Regulated.	Not controlled under IATA.	Not available.	-		-

15. Regulatory information**EU regulations****Hazard symbol or symbols** :**Risk phrases** : R10- Flammable.
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**Safety phrases** : S24- Avoid contact with skin.
S28- After contact with skin, wash immediately with plenty of [***]. water
S37- Wear suitable gloves.**Contains** : (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** : Contains ((R)-p-Mentha-1,8-diene). May produce an allergic reaction.**EU statistical classification (Tariff Code)** : 32089091

16. Other information

Full text of R-phrases referred to in sections 2 and 3 - Europe : R10- Flammable.
R38- Irritating to skin.
R43- May cause sensitization by skin contact.
R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of classifications referred to in sections 2 and 3 - Europe : Xi - Irritant
N - Dangerous for the environment.

Further information : UBA No. 29160007

History

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Notice to reader

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Version 1

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