

# SAFETY DATA SHEET

## ORANGE ESSENCE #2

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

#### Identification of the substance or preparation

**Product name** : ORANGE ESSENCE #2  
**Product no.** : 02182DG

**Use of the substance/preparation** : All purpose cleaner/degreaser

#### 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	10	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  
 R43  
 N; R51/53

**Physical/chemical hazards** : Flammable.

**Human health hazards** : May cause sensitization by skin contact.

**Environmental hazards** : Toxic 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.
- 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.
- 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 toxic 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** : Flammable liquid and vapor. Vapor may cause flash fire. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.  
Not available.
- Hazardous thermal decomposition products** : None identified.
- 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. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Follow all fire-fighting procedures (section 5). Do not touch or walk through spilled material.
- 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) and use a non-sparking or explosion-proof means to transfer material to a sealable, appropriate 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 with skin and clothing. Keep container closed. Use only with adequate ventilation. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Avoid contact of spilled material and runoff with soil and surface waterways. Wash thoroughly after handling.
- Storage** : Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

### Packaging materials

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**Recommended** : Use original container.

**Specific uses** : Industrial applications

## 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 to avoid exposed skin surfaces (e.g. sleevelets, apron, disposable suit etc.), based on the task being performed. Appropriate techniques should be used to remove potentially contaminated clothing.

## 9. Physical and chemical properties

### General information

#### Appearance

**Physical state** : Liquid.

**Color** : Light yellow.

**Odor** : Citrus.

### Important health, safety and environmental information

**pH** : 8.5 - 9.5

**Boiling point** : Lowest known value: 100°C (212°F) (water). Weighted average: 110.11°C (230.2°F)

**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** : 124°F 51°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** : 0.99 g/cm<sup>3</sup>

**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 identified.

## 11. Toxicological information

### Potential acute health effects

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

### Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
(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** : Toxic 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

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

## 15. Regulatory information

### EU regulations

<b>Hazard symbol or symbols</b>	:		
			Irritant, Dangerous for the environment
<b>Risk phrases</b>	:	R10- Flammable. R43- May cause sensitization by skin contact. R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	
<b>Safety phrases</b>	:	S24- Avoid contact with skin. S28- After contact with skin, wash immediately with plenty of [***]. water. S29- Do not empty into drains. S37- Wear suitable gloves.	
<b>Contains</b>	:	(R)-p-Mentha-1,8-diene	227-813-5
<b>Product use</b>	:	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	
<b>Additional warning phrases</b>	:	Contains ((R)-p-Mentha-1,8-diene). May produce an allergic reaction.	
<b>EU statistical classification (Tariff Code)</b>	:	32089091	

## 16. Other information

<b>Full text of R-phrases referred to in sections 2 and 3 - Europe</b>	:	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. R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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<b>Full text of classifications referred to in sections 2 and 3 - Europe</b>	:	Xi - Irritant N - Dangerous for the environment.
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### History

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### Notice to reader

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