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## MATERIAL SAFETY DATA SHEET

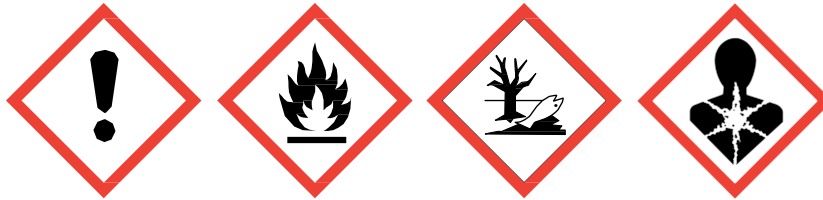
### Orange Oil CP

#### 1. IDENTIFICATION

Product Name	Orange Oil CP
Product No.	15-4035-BB
Synonyms, Trade Names	ORANGE OIL COLD PRESSED; ORANGE PEEL OIL, SWEET; CITRUS SINENSIS OIL; ORANGE OIL BRAZIL

#### 2. HAZARD(S) IDENTIFICATION

Appearance	Liquid
Color	Yellow to deep orange
Odor	Citrus, fruity, orange
GHS Pictogram	



Signal Word	Danger
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Hazard Statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H410	Very toxic to aquatic life with long lasting effects.

Contains	Orange Oil Cold Pressed
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GHS Classification

Physical and Chemical Hazards	Flam. Liq. 3 - H226
Human health	Skin Irrit. 2 - H315; Asp. Tox. 1 - H304
Environment	Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410

OSHA Regulatory Status

This Product is Hazardous under the OSHA Hazard Communication Standard.

Inhalation

Vapor may irritate respiratory system or lungs.

Ingestion

May cause discomfort if swallowed.

Skin Contact

Prolonged contact may cause redness and irritation.

Eye Contact

May cause temporary eye irritation.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

# Orange Oil CP

Orange Oil Cold Pressed	100%
CAS No.: 8008-57-9	EC No.: 232-433-8
GHS Classification Flam. Liq. 3 - H226; Skin Irrit. 2 - H315; Asp. Tox. 1 - H304; Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410	

## 4. FIRST-AID MEASURES

### Description of first aid measures

#### General Information

Get medical attention.

#### Inhalation

Move into fresh air and keep at rest.

#### Ingestion

Get medical attention. Rinse mouth thoroughly. Do not induce vomiting. Drink plenty of water.

#### Skin Contact

Remove contaminated clothing immediately and wash skin with soap and water.

#### Eye Contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.

### Most important symptoms and effects, both acute and delayed

#### Inhalation

May cause an asthma-like shortness of breath.

#### Ingestion

May cause discomfort if swallowed.

#### Skin Contact

Prolonged skin contact may cause redness and irritation.

#### Eye Contact

May cause temporary eye irritation.

### Indication of any immediate medical attention and special treatment needed

## 5. FIRE-FIGHTING MEASURES

Flash point (°C) 46°C CC (Closed cup).

#### Extinguishing Media

Extinguish with foam, carbon dioxide or dry powder.

#### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

#### Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

#### Special Fire Fighting Procedures

If possible, fight fire from protected position.

#### Protective Equipment For Fire-Fighters

Use protective equipment appropriate for surrounding materials.

## 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions

Wear protective clothing as described in Section 8 of this material safety data sheet.

#### Environmental Precautions

Do not discharge into drains, water courses or onto the ground.

#### Spill Clean Up Methods

Absorb spillage with non-combustible, absorbent material.

#### Reference to other sections

Wear protective clothing as described in Section 8 of this material safety data sheet.

## 7. HANDLING AND STORAGE

### Handling

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame.

### Storage

Keep containers tightly closed. Keep away from heat, sparks and open flame.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Protective Equipment



### Respiratory Equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

### Hand Protection

Protective gloves must be used if there is a risk of direct contact or splash.

### Eye Protection

Wear approved safety goggles. Wear goggles/face shield.

### Other Protection

Wear rubber apron.

### Hygiene Measures

Wash contaminated clothing before reuse.

### Skin Protection

Wear apron or protective clothing in case of contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	Yellow to deep orange
Odor	Citrus, fruity, orange
Relative density	0.838 to 0.848 20
Vapor pressure	0.9 mm Hg 20
Flash point	46°C CC (Closed cup).
Refractive Index	1.468 to 1.478

## 10. STABILITY AND REACTIVITY

### Reactivity

There are no known reactivity hazards associated with this product.

### Stability

Stable under normal temperature conditions and recommended use.

None if used according to storage & handling conditions & identified uses

### Conditions To Avoid

Avoid exposing to heat and contact with strong oxidizing substances.

### Materials To Avoid

Strong oxidizing substances.

### Hazardous Decomposition Products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity:

Acute Toxicity (Oral LD50)

5000 mg/kg Rat

# Orange Oil CP

Acute Toxicity (Dermal LD50)  
5000 mg/kg Rabbit  
Acute Toxicity (Inhalation LC50)  
Not available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

## 13. DISPOSAL CONSIDERATIONS

### Waste Management

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

### Disposal Methods

Dispose of waste and residues in accordance with local authority requirements.

## 14. TRANSPORT INFORMATION

General	Not regulated.
Road Transport Notes	Regulated for DOT (Bulk)
Rail Transport Notes	Avoid releasing to the environment.
Sea Transport Notes	Do not release into the environment.
NA No.	1993 Combustible liquid, n.o.s. (limonene)
UN No. (IMDG)	2319 Terpene hydrocarbons, N.o.s. (limonene)
UN No. (ICAO)	2319 Terpene hydrocarbons, n.o.s. (limonene)
DOT Proper Shipping Name	Not Regulated
DOT Proper Shipping Name	Not Regulated
TDG Proper Shipping Name	Not Regulated
IMDG Class	III
ICAO Class	III
Transport Labels	



IMDG Pack Group	III
Air Pack Group	III

### Environmentally Hazardous Substance/Marine Pollutant



IMDG Code Segregation Group	Category A Clear of living quarters
EMS	F-E, S-A

### Markings

MARINE POLLUTANT

Emergency Response Guide No. 128  
Packaging Instructions 366

15. REGULATORY INFORMATION

Regulatory Status (US)

This Product is Hazardous under the OSHA Hazard Communication Standard.

Regulatory References

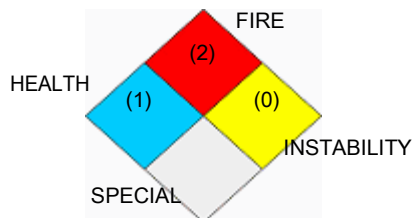
29 CFR 1910.1010 Federal Regulations (OSHA Standard).

US Federal Regulations

US State Regulations

16. OTHER INFORMATION

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)



Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.