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
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

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
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/PERSOAL 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
15. REGULATORY INFORMATION

Regulatory Status (US)
This Product is Hazardous under the OSHA Hazard Communication Standard.
Regulatory References

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.