

Sweet Orange Essential Oil

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /
March 26, 2012 / Rules and Regulation

Revision Date: 08-25-2015
Supersedes: 07-11-2014

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Sweet Orange Essential Oil
Synonyms:
INCI Name: Orange (citrus sinensis) oil
CAS Number: 8028-48-6
Formula: Data not available
Product Form: Liquid
Product Use: Cosmetic use

Distributor: MakingCosmetics.com Inc.
Address: 10800 231st Way NE
Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: www.makingcosmetics.com

Emergency Telephone Number: 1-800-424-9300
(Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Not classified
GHS Labeling: Not classified
GHS Hazard Pictograms: None
GHS Hazard Statements: None
GHS Precautionary Statements: None
Potential Health Hazards: Eyes: May be irritant.
Inhalation: Data not available.
Skin: May be irritant.
Ingestion: Data not available.

NFPA Ratings (704):

Health	1	Slight
Flammability	2	Moderate
Reactivity	0	No Significant Hazard
Specific Hazard	n/a	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Sweet Orange Essential Oil	8028-48-6	100%	Data not available

4 FIRST AID MEASURES

Eyes: Flush eyes with water for 15 minutes. Seek medical advice should irritation occur and persist.
Inhalation: Remove from area of exposure. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.
Skin: Wash off skin with soap and water. Get medical attention if irritation develops or persists.
Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Contact physician immediately if large quantities ingested.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Flammable liquid, insoluble in water. Small fire: Use dry chemical powder. Large fire: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, auto ignition or explosion.

Special protective equipment & precautions for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Flash Points: Closed cup: >110°F ASTM D6450

Specific hazards arising from the chemical: Not available

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:

See section 8 for recommendations on the use of personal protective equipment.

Environmental precautions:

Do not allow product to reach sewage system or any water course, basements or confined areas; dike if needed.

Methods and material for containment and cleaning up:

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Absorb with dry earth, sand or other non-combustible material for larger spills. Do not get water inside container.

7 HANDLING & STORAGE

Precautions for safe handling:

Keep away from heat and sources of ignition. Group all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapor/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids and alkalis. As with all chemicals, good industrial hygiene practices should be followed.

Conditions for safe storage, incl. any incompatibilities:

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.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component

Sweet Orange Essential Oil

Exposure Limits

Not determined

Basis

Entity

TWA: Time Weighted Average over 8 hours of work.
TLV: Threshold Limit Value over 8 hours of work.
REL: Recommended Exposure Limit
PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
IDLH: Immediately Dangerous to Life or Health
WEEL: Workplace Environmental Exposure Levels
CEIL: Ceiling

Personal Protection:

Eyes:

Safety glasses, goggles or face shield recommended for eye protection.

Inhalation:

Not required but may wear a NOISH approved organic vapor/mist respirator.

Body:

Gloves and lab coat recommended to prevent skin contact.

Other:

Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:

Liquid

Odor:

Spicy

Taste:

Not available

Color:

Light-yellow to orange

Aldehyde % (as decyl)

0.8-2.2

pH (1% sol. in water)

Not available

Boiling Point:

349F (176oC)

Refractive Index:

1.47-1.474

Vapor Pressure:

2mmHg

Vapor Density:

>1

Evaporation Rate:

0.2 BuAc

Flammability:

Not available

Explosive Limit:

Not available

Solubility:

Insoluble in water

Flash Point:

Closed cup: >110°F
ASTM D6450

Specific Gravity:

0.842-0.846 (water=1)

10 STABILITY AND REACTIVITY

Reactivity:

Product is stable

Chemical Stability:

Product is stable

Hazardous Polymerization:	Will not occur
Conditions to Avoid:	None known
Incompatible Materials:	Highly reactive with acids, alkalis. Reactive with oxidizing agents.
Hazardous Decomposition Products:	Not available

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Acute oral toxicity (LD50) 1900 mg/kg (rat)
Skin:	Can be an irritant
Eyes:	Irritant
Respiratory:	Data not available
Ingestion:	Data not available
Carcinogenicity:	Classified 4 (no evidence) by NTP; none by OSHA.
Teratogenicity:	Not available
Germ Cell Mutagenicity:	Not available
Embryotoxicity:	Not available
Specific Target Organ Toxicity:	May cause damage to blood, skin and central nervous system.
Reproductive Toxicity:	Not available
Respiratory/Skin Sensitization:	None known

12 ECOLOGICAL INFORMATION

Ecotoxicity	
Aquatic Vertebrate:	Not available
Aquatic Invertebrate:	Not available
Terrestrial:	Not available
Persistence and Degradability:	Possibly hazardous short term degradation products are not likely. Long term degradation products may arise.
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not available
PBT and vPvB Assessment:	Not available
Other Adverse Effects:	Not available

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Compliance with applicable laws are the responsibility solely of the generator.
Product Containers:	Dispose of in a manner in accordance with local and national regulations.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA):	Proper Shipping Name: Flammable Liquid, N.O.S.; UN Number: 1993; Symbol: Flammable Liquid Diamond; Hazard Class: 3; Packing Group: III
TDG (Transportation of Dangerous Goods, Canada):	Hazardous
IMDG (International Maritime Dangerous Goods):	Hazardous
IATA (International Air Transport Association):	Hazardous
ICAO (International Civil Aviation Organization):	Hazardous

15 REGULATORY INFORMATION

TSCA Inventory Status:	Listed as extract, aromatic, liquid
DSCL (EEC):	This product is not classified according to the EU regulations. Not applicable.

WHMIS (Canada):

Not controlled under WHMIS (Canada)

16 OTHER INFORMATION**Revision Date:** 08-25-2015**Compliance:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200**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 other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.