



Safety Data Sheet (SDS)

Essential Oil: Blood Orange

SDS Created: April 16, 2019

Revision Date: April 16, 2019

SECTION 1: IDENTIFICATION OF THE PRODUCT AND COMPANY

1.1 Globally Harmonized System (GHS) product identifier

Product name: Blood Orange

Latin name of botanical source: *Citrus sinensis*

INCI Name: CITRUS AURANTIUM DULCIS PEEL OIL

1.2 Other means of identification:

Item number/size: 103 – Various sizes not to exceed 33.81 Fluid Ounces or 1 Liter.

1.3 Recommended use of the chemical and restrictions on use:

Aromatherapy, natural perfumery, as recommended. Do not ingest.

1.4 Supplier's details:

Company name: Be Kind Botanicals, Inc.

Company address: 5749 S. 249th Dr. Buckeye, AZ 85326

Company contact: 480-528-0228 www.bkbotanicals.com

1.5 Emergency telephone number:

For Transport Emergencies Only: 1-855-645-6677 (available 9:00 am - 5:00 pm, Pacific Standard Time)

Poison Control Center: 1-800-222-1222 (available 24 hours)

SECTION 2: HAZARD(S) IDENTIFICATION

Flammable liquid, Category 3

Skin irritation, Category 2

Skin sensitization, Category 1

Aspiration hazard, Category 1

Chronic aquatic toxicity, Category 1



2.2 GHS label elements, including precautionary statements

Signal Word	Hazardous Statement	Precautionary Statement	Hazard Pictograms
Danger	H226 – Flammable liquid and vapor H304 – May be fatal if swallowed and enters airways H315 – Causes skin irritation H317 – May cause allergic skin reaction H410 – Very toxic to aquatic life with long-lasting effects	P102 – Keep out of reach of children. P210 – Keep away from heat/sparks/open flames/hot surfaces. –No smoking P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. [As modified by IV ATP] P331: Do NOT induce vomiting. P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/... [As modified by IV ATP] P403+235: Store in a well-ventilated place. Keep cool.	

2.3 Other hazards that do not result in classification

Not a known photosensitizer, but should still be diluted before use. May cause skin irritation/allergy. Patch test recommended. Is not phototoxic.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Composition

Chemical Name (common name)	CAS#	EC (EINECS)#	ICSC #	RTECS#	UN#	EC #	% by weight
Blood Orange	8008-57-9	232-433-8	N/A	RI8600000	1169	232-433-8	100 %
<i>EU Allergens:</i>							
Limonene	5989-27-5	N/A	N/A	N/A	N/A	N/A	92-96%
Linalool	78-70-6	N/A	N/A	N/A	N/A	N/A	< 0.7%
Citral	5392-40-5	N/A	N/A	N/A	N/A	N/A	< 0.32%
Citronellol	106-22-9	N/A	N/A	N/A	N/A	N/A	<=0.01%
Geraniol	106-24-1	N/A	N/A	N/A	N/A	N/A	< 0.013%
<i>2-Prop 65:</i>							
Beta-Myrcene	123-35-3	N/A	N/A	N/A	N/A	N/A	1-4%

SECTION 4: FIRST-AID MEASURES

4.1 Description of necessary first-aid measures (of Substance)



Eye contact:

Check for and remove any contact lenses. Immediately wash thoroughly with soft, clean water for 15 minutes while holding the eyelids open. Cold water may be used. If symptoms persist, seek medical attention.

Skin Contact:

Remove contaminated clothing and wash the skin thoroughly with soap and water. Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the event of an allergic reaction, seek medical attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to a hospital.

Inhalation:

Not likely to occur under normal conditions of use. If symptoms occur, move to fresh air and obtain medical advice.

Ingestion:

Not an expected route of exposure. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with milk or water and consult a doctor. Keep the exposed person at rest. Do NOT force vomiting unless directed to do so by medical personnel. Seek immediate medical attention and show the Substance's label to medical personnel.

4.2 Most important symptoms and effects, both acute and delayed (of Substance)

Eye contact:

May cause eye irritation and corneal damage if not immediately rinsed out.

Skin Contact:

Repeated contact may cause allergic dermatitis.

Inhalation:

Not specified

Ingestion:

Not an expected route of exposure.

4.3 Indication of any immediate medical attention and special treatment needed (of Substance)

None known.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Flash point (Celsius/Fahrenheit)

+47°C

5.2 Extinguishing media

Suitable extinguishing media: sprayed water or water mist, alcohol-resistant foam, multipurpose ABC powder, BC powder, carbon dioxide (CO₂)

Unsuitable extinguishing media: water jet (straight stream).

5.3 Specific hazards arising from the chemical

None known.



5.4 Special protective actions for firefighters

Use self-contained breathing apparatus and protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Stop leak if you can do so without risk. Consult safety measures listed under Sections 7 and 8.

For firefighters: Fire-fighters will be equipped with suitable personal protective equipment (See Section 8).

6.2 Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, or diatomaceous earth in drums for waste disposal. Avoid allowing product to reach sewage system or any waterways. Inform respective authorities in case of seepage into sewage system or waterways.

6.3 Methods and material for containment and cleaning up

Absorb spill with non-combustible matter (such as detergent--do not use solvents) and transfer to containers.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid unintentional contact with skin surfaces. Wear suitable protective clothing. Ensure good ventilation or exhaust in workplace. Do not allow contact with eyes. Always wash hands after handling. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

7.2 Conditions for safe storage, including any incompatibilities

Store in tight glass, aluminum, or double-lined containers in a dark, cool, or refrigerated area away from direct heat. Always keep in packaging made of an identical material to the original. The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

OSHA TWA: None established

OSHA STEL: None established

ACGIH TWA: None established

ACGIH STEL: None established

NOHSC TWA: None established

NOHSC STEL: None established

8.2 Appropriate engineering controls

General room or local exhaust ventilation is usually required to meet exposure limit(s). Electrical equipment should be grounded and conform to applicable electrical code.



8.3 Individual protection measures

Personal protective equipment:

Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place away from the work area. Never eat, drink, or smoke during use. Remove and wash contaminated clothing before re-using.

Eye/face protection:

Avoid contact with eyes. Use eye protectors (safety goggles in accordance with standard EN166) designed to protect against liquid splashes.

Hand protection:

Wear suitable protective gloves (resistant to chemical agents in accordance with standard EN374) in the event of prolonged or repeated skin contact.

Type of gloves recommended: Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR)) or PVA (Polyvinyl alcohol).

Body protection: Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9: PHYSICAL CHEMICAL PROPERTIES

Physical state: Fluid liquid

Color: Deep orange to reddish orange

Odor: Sweet, fresh, citrus

Water solubility: Insoluble

Miscibility in water: Insoluble

Miscibility in alcohol: Not specified

Miscibility in essential oil: Soluble

Liposolubility: Soluble

pH: Not applicable

Boiling point/boiling range: +176°C

Flash Point: +47°C

Vapor pressure: : ~ 2mm.Hg @ 20°C

Evaporation rate: Not specified

Density 0.850 g/cm³ at 25°C

Self-ignition temperature: Not specified

Decomposition point/decomposition range: Not specified

Refractive index @ 20°C: 1.4725-1.4776

Partition coefficient: Not specified

Specific gravity @ 20 °C: 0.8441-0.8471

Viscosity: 1.17 mm²/s at 20°C

SECTION 10: STABILITY AND REACTIVITY



10.1 Reactivity

Presents no significant reactivity hazard by itself or in contact with water.

10.2 Chemical stability

This substance is stable under the recommended handling and storage conditions in Section 7.

10.3 Possibility of hazardous reactions

Oxidizing agent acid alkali light and air condition to avoid under nitrogen surface.

10.4. Conditions to avoid

High heat, flames, and sparks.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

The thermal decomposition may release/form carbon monoxide (CO) and carbon dioxide (CO₂).

In the event of fire: See Section 5

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Substance

Acute toxicity:

Oral route: LD50 > 5,000 mg/kg (rat)

Dermal route: LD50 > 5,000 mg/kg (rabbit)

Skin corrosion/irritation:

May be irritating to skin. See section 3.

Serious eye damage/irritation:

Eye exposure to essential oils may irritate the eyes. Prompt rinsing and removal of the substance will avoid damage.

Respiratory or skin sensitization:

Exposure to vapors from this solvent in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. See EU allergen list in Section 3.

Germ cell mutagenicity:

Not specified

Carcinogenicity:

IARH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.



OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity:

Not specified

STOT-single exposure:

Not specified

STOT-related exposure:

Not specified

Aspiration hazard:

May be fatal if swallowed and enters airways. Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.

11.2 Information on the likely routes of exposure

Skin/scalp contact

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

None known. Irritation of the eye if exposed. Potential redness of the skin from over exposure.

11.4 Delayed and immediate effects and also chronic effects from short-term and long-term exposure

Exposure to vapors from this solvent in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver, and central nervous system.

Repeated or prolonged contact with the substance may cause removal of natural oil from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible damage.

11.5 Interactive effects

Not specified

11.6 Where specific chemical data are not available

Not specified

11.7 Substances

Not specified

11.8 Substances verses ingredient information

Not specified

11.9 Other Information

RTECS: RI8600000

SECTION 12: ECOLOGICAL INFORMATION

12.1 Info summery of Ecological information

Balance of data on substance as a whole, not determined.

12.2 Eco toxicological properties of specific substances



See each category below for specific substances

12.3 Toxicity

Acute fish toxicity:

LC50 / 96 HOUR – No data available

Toxicity to aquatic plants – No data available

Toxicity to microorganisms – No data available

Toxicity threshold – No data available

12.4 Persistence and degradability

Biodegradation is expected

12.5 Bio-accumulative potential

Bioaccumulation is unlikely

12.6 Mobility in soil

Unknown

12.7 Other adverse effect

Avoid exposure to marine environments and waterways

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not pour into drains or waterways. Observe all federal, state, and local environmental regulations. Member State-specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the materials, review and implement appropriate technical and procedural wastewater and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental release. This may include destructive techniques for waste and wastewater. In extreme situations, contact a licensed professional waste disposal service to dispose of this material.

Waste:

Proper waste management of the substance and/or its container must be determined in accordance with Directive 2008/98/EC. Do not pour into drains or waterways. Waste management is carried out without endangering human health, without harming the environment, and in particular without risk to water, air, soil, plants, or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Soiled packaging:

Empty all containers completely. Keep label(s) on every container. Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION

14.1 UN Number

1169

14.2 UN Proper shipping name



Extracts, aromatic, liquid

14.3 Transportation hazard classes

Class 3

14.4 Packing group, if applicable

III

14.4.1 Marking requirements

Not required for retail packages

14.5 Environmental hazards

Pollutants to the aquatic environment

14.6 Special precautions for user

Take precautions to avoid spilling on skin.

14.7 Transport in bulk according to Annex II of MARPOL 73/78° and IBC Code

Not applicable

14.8 Additional transport information

Exceptions for class 3 CFR 49 173.150 (b) (c) (g) (Packaged for retail sale.)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health, and environmental regulations/legislation specific for the substance

Country	Notification
Canada	Not regulated
EU	See EU Allergens in Section 3
Hong Kong	Not regulated
Singapore	Not regulated
USA	Not regulated by Federal or State Regulations <i>California Prop. 65 Components:</i> This contains chemicals known to the State of California to cause cancer, birth defects, and/or reproductive harm. See Section 3 for details.

SECTION 16: OTHER INFORMATION

Disclaimer:

The information in this Safety Data Sheet (SDS) is believed to be accurate as of the date issued. HOWEVER, NO WARRANTY, EXPRESSED OR IMPLIED IS MADE CONCERNING THE ACCURACY, COMPLETENESS OR RELIABILITY OF THE INFORMATION PROVIDED HEREIN, INCLUDING BUT NOT LIMITED TO, WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR COURSE OF PERFORMANCE. The information provided relates only to the specified product designated and may not be applicable where such product is used in combination with any other materials or in any process. Since the conditions and methods of handling, storage, use and disposal of the product are beyond the control of Be Kind Botanicals, Inc., Be Kind Botanicals, Inc. expressly disclaims any and all liability, loss or damage arising out of or relating to the use, storage, handling or disposal of the product or reliance on the information in this SDS. Users are cautioned to satisfy themselves as to the suitability of said information, procedures and recommendations for the purposes intended prior to use.