

0065 – Blood Orange Oil, Natural Safety Data Sheet

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Date of issue: 03/10/2016 Version: 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : 0065 – Blood Orange Oil, Natural
CAS Number : 8028-48-6

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Food industry: component

1.3. Details of the supplier of the safety data sheet

LorAnn Oils, Inc.
4518 Aurelius Road
Lansing, MI 48910
Telephone: 1.800.862.8620

1.4. Emergency telephone number

Emergency number : CHEMTREC: Within USA and Canada: 1.800.424.9300 Outside USA and Canada: +1 703 527 3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Flammable liquid 3	H226 Flammable liquid and vapor.
Aspiration hazard 1	H304 May be fatal if swallowed and enters airways.
Environmental hazard A2	H401 Toxic to aquatic life
Environmental hazard C1	H410 Very toxic to aquatic life with long lasting effects
Skin corrosion/irritation 2	H315 Causes skin irritation.
Skin sensitization 1	H317 May cause an allergic skin reaction.

2.2. Label elements

GHS label elements: The substance is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms :



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) :

- May be fatal if swallowed and enters airways
- Toxic to aquatic life
- Very toxic to aquatic life with long-lasting effects
- Flammable liquid and vapor
- Causes skin irritation
- May cause an allergic skin reaction

Precautionary statements (GHS-US) :

- Avoid breathing dust/fume/gas/mist/vapors/spray
- Avoid release to the environment
- Wear protective gloves / protective clothing/ eye protection / face protection.
- Do NOT induce vomiting.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

Results of PBT and vPvB assessment

PBT: *Not applicable*

vPvB: *Not applicable*

SECTION 3: Composition/information on ingredients :

Chemical Characterization: Substances

Ingredients(s)	Classification	CAS No.	Percentage
Limonene	XN; N; R10; R38; R43; R65; R50/53	5989-27-5	80% -

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove from exposure and move to fresh air immediately. Get medical assistance if cough or other symptoms appear.
First-aid measures after skin contact	: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
First-aid measures after eye contact	: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
First-aid measures after ingestion	: Do not induce vomiting. Get medical aid if irritation of symptoms occurs;.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : CO2, dry powder or foam type extinguishers

5.2. Special hazards arising from the substance or mixture

No further relevant information available.

5.3. Advice for firefighters

Protection during firefighting : Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

Procedure : Remove any source of flame or sparks. If in a confined area NIOSH approved respiratory protection may be required. Remove individuals from the area if they do not have respiratory/dust protection. Spray material with water to prevent dusting and remove to an approved disposal container. Follow Federal, State, and Local procedures for cleaning up of powder. Dispose of in accordance with current laws and regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle according to good safety procedures, avoiding unnecessary exposure by wearing appropriate protective gear for the situation.

7.2. Conditions for safe storage, including any incompatibilities

Store in full closed containers in a cool dry area away from heat, light and sources of ignition.

SECTION 8: Exposure controls/personal protection

Eyes	: May be irritating
Skin	: May be irritating
Respiratory	: Respiratory protection is normally not required in well ventilated areas, however, approved respiratory protection may be required when the material is rated toxic by inhalation or if the material is to be used in a confined area.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Color	: Orange to reddish-orange liquid
Odor	: Richer and sweeter than orange sweet
Odor threshold	: Not determined
pH	: Not determined
Refractive index	: 1.473
Specific gravity	: .8423
Boiling point	: 348°F
Flash point	: 111°F
Auto-ignition temperature	: Not determined
Decomposition temperature	: Not determined
Vapor pressure	: Not determined
Vapor pressure at 20 °C	: Not determined
Solubility	: Insoluble
Viscosity, dynamic	: Not determined

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity****10.2. Chemical stability**

Y

10.3. Possibility of hazardous reactions**10.4. Substances to be avoided**

Strong oxidizing agents, strong reducing agents

10.5. Hazardous decomposition products

Carbon monoxide, carbon dioxide

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

LD50(ORAL)	: N/A
LD50(DERMAL)	: N/A
LD50	: N/A
MUTAGENICITY	: N/A
CARCINOGENICITY	: N/A
REPRODUCTIVE TOXICITY	: N/A

SECTION 12: Ecological information

ACUTE AQUATIC TOXICITY	: N/A
PERSISTENCE AND DEGRADABILITY	: N/A
BIOCONCENTRATION FACTOR	: N/A
MOBILITY IN SOIL	: N/A
RESULTS OF PBT AND VPVB ASSESSMENT	: N/A

SECTION 13: Disposal considerations

Treatment, storage, transportation and disposal must be in accordance with all Federal, State and Local regulations.

SECTION 14: Transport information

Tariff#	: 3301.12.0000
UN/NA ID#	: UN1169
DOT	: Ext, Aromat, Liq
Hazard Class	: 3
Packing Group	: III
IMO	: Ext, Aromat, Liq
IATA	: Ext, Aromat, Liq

SECTION 15: Regulatory information

INTERNATIONAL REGULATIONS

Risk phrases:

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
R65 Harmful: may cause lung damage if swallowed

Safety phrases:

S24 Avoid contact with skin
S37 Wear suitable gloves
S61 Avoid release to the environment. Refer to special instructions/safety data sheets
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

CAL PROP 65: NO

EPA TSCA: LISTED

SARA TITLE 3: NO

SECTION 16: Other information

Other information : **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

- **Department issuing SDS:** *Environment protection department.*
- **Date of preparation / last revision:** *05/19/2015*
- **Abbreviations and acronyms:**
 - ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*
 - IMDG: International Maritime Code for Dangerous Goods*
 - DOT: US Department of Transportation*
 - IATA: International Air Transport Association*
 - ACGIH: American Conference of Governmental Industrial Hygienists*
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)*
 - NFPA: National Fire Protection Association (USA)*
 - HMIS: Hazardous Materials Identification System (USA)*