

Orange Blossom Absolute

orange-blossom-absolute

SECTION 1 - IDENTIFICATION

Product identifier	Orange Blossom Absolute
Botanical source	Citrus aurantium L. var. amara
INCI name	Citrus Aurantium Amara (Bitter Orange) Flower Extract
Veriscents SKU	orange-blossom-absolute
Recommended use	Natural perfumery / aromatic raw material. Dilute before use.
Restriction on use	Do not ingest.

Supplier

Company	Veriscents
Address	30 N. Gould Street, Sheridan, WY 82801, USA
Telephone	+1 877.863.7700
E-mail	support@veriscents.com
Medical emergency information	United States Poison Help: +1 800.222.1222

SECTION 2 - HAZARD(S) IDENTIFICATION

Signal word	Danger
Hazard statements	H332 Harmful if inhaled. H315 Causes skin irritation. H412 Harmful to aquatic life with long-lasting effects. H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction.
Precautionary statements	P102 Keep out of reach of children. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Other hazards	May cause skin irritation/allergy.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS / identifier	Reported concentration
Orange Blossom Oil	CAS 8030-28-2; EINECS 72968-50-4; EC 277-143-2	100%
Limonene	5989-27-5	0.7-5%
Linalool	78-70-6	35-60%
Geraniol	106-29-5	<1.5%
Farnesol	4602-84-0	1-10%
Beta-Myrcene	123-35-3	<1%

The source SDS identifies UN 3082 in its composition table and identifies beta-myrcene under California Proposition 65.

SECTION 4 - FIRST-AID MEASURES

Eye contact	Remove contact lenses if present. Flush with water for 15 minutes. If symptoms persist, obtain medical attention.
Skin contact	Wash with soap and water and rinse thoroughly. If irritation continues, consult a physician.
Inhalation	Move to fresh air if symptoms occur and obtain medical advice.
Ingestion	Rinse mouth with milk or water if a small quantity has been swallowed. Keep the person at rest. Do not induce vomiting unless directed by medical personnel. Seek immediate medical attention and show the product label.
Most important effects	Eye irritation and possible corneal damage if not rinsed promptly; repeated skin contact may cause allergic dermatitis; high vapor concentrations may cause anesthetic effects.
Special treatment	None known.

SECTION 5 - FIRE-FIGHTING MEASURES

Flash point	The source SDS reports 77 C in Section 5 and 85 C in Section 9. Both source values are retained here because the supplied documentation is internally inconsistent.
Suitable extinguishing media	Water spray or mist, alcohol-resistant foam, multipurpose ABC powder, BC powder, carbon dioxide.
Unsuitable media	Straight water jet.

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Specific hazards	None known in the source SDS.
Protective actions	Use self-contained breathing apparatus and protective clothing.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions	Stop leak if this can be done without risk. Avoid breathing vapors. Use appropriate PPE.
Environmental precautions	Contain spills with non-combustible absorbent material. Prevent entry to sewers and waterways; notify authorities if environmental release occurs.
Clean-up	Absorb with non-combustible material and transfer to suitable containers.

SECTION 7 - HANDLING AND STORAGE

Safe handling	Use good industrial hygiene practice. Avoid skin and eye contact and inhalation. Ensure adequate ventilation. Wash hands after handling and launder contaminated clothing before reuse.
Storage	Store in closed containers in a cool area away from heat, light and other ignition sources.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits	OSHA TWA/STEL, ACGIH TWA/STEL and NOHSC TWA/STEL: none established in the source SDS.
Engineering controls	General or local exhaust ventilation as appropriate. Ground electrical equipment and comply with applicable electrical codes.
Eye / face protection	Safety goggles suitable for liquid splash protection.
Hand protection	Chemical-resistant gloves; source SDS recommends nitrile rubber (NBR) or PVA for prolonged or repeated contact.
Body protection	Suitable work clothing; wash contaminated skin and launder work clothing regularly.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Physical state	Viscous liquid
Color	Orange-brown
Odor	Intensely rich, complex, deep, heady floral
Water miscibility	Insoluble
Alcohol miscibility	Soluble
Essential-oil miscibility	Soluble
Liposolubility	Liposoluble
pH	Not applicable
Boiling point / range	Not specified
Flash point	85 C (Section 9 source value; see Section 5 note)
Vapor pressure	Not specified
Evaporation rate	Not specified
Density	Not specified
Self-ignition temperature	Not specified
Decomposition point	Not specified
Refractive index @ 20 C	1.473 - 1.495
Partition coefficient	Not specified
Specific gravity @ 20 C	0.900 - 0.945

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Not reactive.
Chemical stability	Stable under recommended handling and storage conditions.
Hazardous reactions	At high temperatures the material may release carbon monoxide, carbon dioxide, fumes and nitrogen oxides.
Conditions to avoid	None known in the source SDS.

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Incompatible materials	Alkali metals, ammonia, oxidizing agents, peroxides and strong inorganic acids.
Hazardous decomposition products	Carbon monoxide and carbon dioxide may be formed by thermal decomposition.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute toxicity	No data available.
Skin corrosion / irritation	May be irritating to skin.
Serious eye damage / irritation	May be irritating to eyes; prompt rinsing is recommended.
Respiratory effects	High vapor concentrations may cause anesthetic effects.
Germ cell mutagenicity	Not specified.
Carcinogenicity	The source SDS states that no component at $\geq 0.1\%$ is identified as a probable, possible or confirmed human carcinogen by IARC; it gives similar statements under ACGIH, NTP and OSHA.
Reproductive toxicity	Not specified.
STOT	Not specified.
Aspiration hazard	Not specified in Section 11, although H304 is stated in Section 2.
Likely route of exposure	Skin/scalp contact.
Symptoms	Eye irritation; skin redness if irritated.
Chronic / repeated exposure	The source SDS states that excessive vapor exposure may irritate mucous membranes and the respiratory system and may affect kidney, liver and central nervous system; repeated skin contact may cause defatting and dermatitis.

SECTION 12 - ECOLOGICAL INFORMATION

Overall ecological data	Not determined for the substance as a whole.
Aquatic toxicity	No numerical fish, aquatic plant or microorganism toxicity data available.
Persistence / degradability	Biodegradation is expected.
Bioaccumulative potential	Bioaccumulation is unlikely.
Mobility in soil	Unknown.
Other adverse effects	Avoid release to marine environments and waterways.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment	Do not discharge to drains or waterways. Dispose in accordance with applicable federal, state and local requirements. Waste minimization and appropriate technical controls are recommended.
Packaging	Empty containers completely, retain labels, and send to an appropriate waste or recycling contractor.

SECTION 14 - TRANSPORT INFORMATION

UN number	UN 3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Hazard class	9
Packing group	III
Environmental hazards	Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment.
Special precautions	Not specified in the source SDS.
Bulk transport	Not specified in the source SDS.

SECTION 15 - REGULATORY INFORMATION

Jurisdiction	Source statement
Canada	Not regulated
European Union	See allergen information in Section 3
Hong Kong	Not regulated
Singapore	Not regulated

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Jurisdiction	Source statement
United States - California Proposition 65	Source SDS states that the material contains chemical(s) known to the State of California to cause cancer, birth defects and/or reproductive harm; beta-myrcene is identified in Section 3.

SECTION 16 - OTHER INFORMATION

Veriscents document	VS-SDS-ORANGE-BLOSSOM-R10
Prepared from supplied documentation	Orange Blossom Absolute SDS, revision 21 November 2019; lot and analytical documents supplied separately.
Known source inconsistency	Flash point is reported as 77 C in source Section 5 and 85 C in source Section 9. Veriscents has not independently resolved this discrepancy.

Disclaimer

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