



Section 1. Product and Company Identification

Product Name Octyl Salicylate
CAS Number 118-60-5

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Section 2. Hazards Identification

Classification of the substance or mixture
Not classified as a hazardous substance or mixture

GHS Label Elements
Pictograms: N/A
Signal word: N/A

Hazard and precautionary statements
None

Hazard(s) not otherwise classified (HNOC): Not classified.

Section 3. Composition / Information on Ingredients

Common Name Octyl Salicylate
Synonym(s) Octisalate, Benzoic acid, 2-hydroxy-, 2-ethylhexyl ester, 2-Ethylhexyl salicylate; Octyl Salicylate
Formula $C_{15}H_{22}O_3$
CAS Number 118-60-5

COMPONENT	CAS NUMBER	CONCENTRATION
Octyl Salicylate	118-60-5	100%

Section 4. First Aid Measures

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact: Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Eye contact: Rinse with water. Get medical attention if irritation develops and persists.
Ingestion: Rinse mouth. Get medical attention if symptoms occur.



Most important symptoms/effects, acute and delayed: Not available.

Indication of immediate medical attention and special treatment needed:

Treatment of salicylate overdose should be symptomatic and supportive and may include the following: Administer activated charcoal as a slurry. Multiple doses may be beneficial. Perform gastric lavage, unless contraindicated, soon after ingestion. Protect airway and control seizures first. Correct dehydration with sodium chloride until good urine flow is obtained. Do not over hydrate. Add potassium to subsequent fluid. Monitor pulmonary status, urine output, urine pH, and serum potassium. Alkalinize urine with sodium bicarbonate to achieve a urine pH greater than 7.5. Additional potassium chloride may be required. For acidosis, administer sodium bicarbonate intravenously. Monitor ABGs. Treat hyperthermia with external cooling. Early treatment with hemodialysis may be useful if blood salicylate levels are high or if symptoms of salicylism persist. Hemodialysis rapidly increases salicylate clearance and corrects acid-base, fluid, and electrolyte disturbances. For seizures, administer a benzodiazepine intravenously. If seizures recur, consider phenobarbital or propofol. Monitor for hypotension, dysrhythmias, respiratory depression, and need for endotracheal intubation. Evaluate for hypoglycemia, electrolyte imbalances, and hypoxia. For active bleeding or coagulation disorders, give blood or blood platelets if needed. Vitamin K may improve prothrombin time. [Poisindex]

General information: Remove from exposure. Remove contaminated clothing. For treatment advice, seek guidance from an occupational health physician or other licensed health-care provider familiar with workplace chemical exposures. In the United States, the national poison control center phone number is 1-800-222-1222. If person is not breathing, give artificial respiration. If breathing is difficult, give oxygen if available. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention.

Section 5. Firefighting Measures

Suitable extinguishing media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: Not applicable.

Special protective equipment and precautions for firefighters: Wear suitable protective equipment.

Firefighting equipment/instructions: As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors. Ensure adequate ventilation. Wear appropriate personal protective equipment.



Methods and materials for containment and cleaning up: Absorb spillage with suitable absorbent material. For waste disposal, see section 13 of the SDS. Wash spill site.

Section 7. Handling and Storage

Precautions for safe handling: As a general rule, when handling USP Reference Standards, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly.

Conditions for safe storage, including any incompatibilities: Store in tight container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity

Section 8. Exposure Controls / Personal Protection

Biological limit values: No biological exposure limits noted for the ingredient(s).

Exposure guidelines No exposure standards allocated.

Appropriate engineering controls: Airborne exposure should be controlled primarily by engineering controls such as general dilution ventilation, local exhaust ventilation, or process enclosure. Local exhaust ventilation is generally preferred to general exhaust because it can control the contaminant at its source, preventing dispersion into the work area. An industrial hygiene survey involving air monitoring may be used to determine the effectiveness of engineering controls. Effectiveness of engineering controls intended for use with highly potent materials should be assessed by use of nontoxic surrogate materials

Individual protection measures, such as personal protective equipment

Eye/face protection: Safety glasses with side-shields are recommended. Face shields or goggles may be required if splash potential exists or if corrosive materials are present. Approved eye protection (e.g., bearing the ANSI Z87 or CSA stamp) is preferred. Maintain eyewash facilities in the work area.

Skin protection

Hand protection: Chemically compatible gloves. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic non-latex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy.

Other: For handling of laboratory scale quantities, a cloth lab coat is recommended. Where significant quantities are handled, work clothing may be necessary to prevent take-home contamination.

Respiratory protection: Where respirators are deemed necessary to reduce or control occupational exposures, use NIOSH-approved respiratory protection and have an effective respirator

program in place (applicable U.S. regulation OSHA 29 CFR 1910.134).

Thermal hazards: Not available.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice.

Section 9. Physical and Chemical Properties

Appearance: Clear, colorless to pale yellow liquid

Odor Floral odor.

Odor threshold Not available.

pH Not available.

Melting point/freezing point: Not available.

Initial boiling point and boiling range: 372.2 - 374°F (189 - 190°C) at 21 mmHg

Flash point (Closed Cup): 235.40°F (113.00°C)

Evaporation rate: Not available.

Flammability (solid, gas): Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%): Not available.

Flammability limit - upper (%): Not available.

Explosive limit - lower (%): Not available.

Explosive limit - upper (%): Not available.

Vapor pressure: 0.000001 kPa at 25°C

Vapor density: > 1 (Air=1)

Relative density: Not available.

Solubility in water: Insoluble.

Partition coefficient (n-octanol/water): Not available.

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

Viscosity: Not available.

Other information

Chemical family: Salicylate.

Molecular weight: 250.33

Specific gravity: 1.014

Section 10. Stability and Reactivity

Reactivity: No reactivity hazards known.

Chemical stability: Stable at normal conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: None known.

Incompatible materials: Oxidizing agents.

Hazardous decomposition products: Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions

Section 11. Toxicological Information

Information on likely routes of exposure

Ingestion: Due to lack of data the classification is not possible.

Inhalation: Due to lack of data the classification is not possible.

Skin contact: Based on available data, the classification criteria are not met.

Eye contact: Based on available data, the classification criteria are not met.

Symptoms related to the physical, chemical, and toxicological characteristics: Fever. Rapid breathing. Ringing in ears. Tiredness. Weakness. Nausea. Vomiting. Hearing problems. Agitation. Confusion.

Delayed and immediate effects of exposure: Dehydration. Low blood pressure. Coma. Irregular heartbeat. Swelling or fluid in the lungs. Swelling or fluid in the brain.

Acute toxicity: Due to lack of data the classification is not possible.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Local effects

Irritancy test

Result: Irritant.

Species: Rabbit

Organ: Eyes

Severity: Mild.

Irritancy test

Result: Non-irritant.

Species: Human

Organ: Eyes

Irritancy test

Result: Non-irritant.

Species: Human

Organ: Skin

Respiratory sensitization: Due to lack of data the classification is not possible.



Skin sensitization: Based on available data, the classification criteria are not met.

Sensitization: Guinea pig maximization test

Result: Non-sensitizing.

Species: Guinea pig

Organ: Skin

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Mutagenicity: In vitro chromosome aberration test in Chinese hamster ovary cells

Result: Negative.

S. typhimurium: Ames assay

Result: Negative

Carcinogenicity: Due to lack of data the classification is not possible. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity: Due to lack of data the classification is not possible.

Specific target organ toxicity - single exposure: Due to lack of data the classification is not possible.

Specific target organ toxicity - repeated exposure: Due to lack of data the classification is not possible.

Aspiration hazard: Due to lack of data the classification is not possible

Section 12. Ecological Information

Ecotoxicity: No ecotoxicity data noted for the ingredient(s).

Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

Other adverse effects: Not available

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT: Not regulated as a hazardous material by DOT.

IATA: Not regulated as a dangerous good.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: No information available.



Section 15. Regulatory Information

US federal regulations

CERCLA/SARA Hazardous Substances: Not applicable.

All components are on the U.S. EPA TSCA Inventory List.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard: Yes

Delayed Hazard: No

Fire Hazard: No

Pressure Hazard: No

Reactivity Hazard: No

SARA 302 Extremely hazardous substance: No

SARA 311/312 Hazardous chemical: No

Other federal regulations

Safe Drinking Water Act (SDWA): Not regulated.

Food and Drug Administration (FDA): Not regulated.

US state regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes



Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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