

Section 1 Identification of the substance/mixture and of the company/undertaking

Product Identifier:

Identification on the label/ Tradename: **Propylparaben, NF** Identification of the Product:

Formula:

C₁₀H₁₂O₃

Chemical Name:

Benzoic acid, 4-hydroxy-, propyl ester
Propyl p-hydroxybenzoate

CAS:

94-13-3

Name, address, and telephone number of the supplier:

Swadesh Life Science

H-103, Sumel 7, Near Soni ni chali

BRTS, Rakhiyal,

Ahmedabad, Gujarat, India

Section 2 Hazards Identification

Physical hazards: Not classified.

Health hazards: Not classified.

Environmental hazards: Not classified

OSHA defined hazards: Not classified

Label elements

Hazard pictograms

No symbol.

Signal word

Not available.

Hazard statements

Not available.

Section 3 Composition/information on ingredients

Components	CAS No.	Weight %
Propylparaben	94-13-3	100

Section 4 First aid measures

Description of first aid measures

Eye Contact:

Rinse with water. Get medical attention if irritation develops and persists.

Inhalation:

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
Call a physician if symptoms develop or persist.

Ingestion:	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.
After skin contact:	If skin contact occurs: · Immediately remove all contaminated clothing, including footwear · Flush skin and hair with running water (and soap if available).
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 Fire-Fighting measures

EXTINGUISHING MEDIA:	Water. Foam. Dry chemical or CO ₂ . Use fire-extinguishing media appropriate for surrounding materials.
UNSUITABLE EXTINGUISHING MEDIA:	None known.
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:	No unusual fire or explosion hazards noted.
SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:	Wear suitable protective equipment.
FIREFIGHTING EQUIPMENT/INSTRUCTIONS:	Use water spray to cool unopened containers. As with all fires, evacuate personnel to a safe area. Fire fighters should use self-contained breathing equipment and protective clothing.
SPECIFIC METHODS:	Use standard firefighting procedures and consider the hazards of other involved materials.
GENERAL FIRE HAZARDS:	No unusual fire or explosion hazards noted.
FIRE FIGHTING:	Alert Emergency Responders and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves.

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. Ensure adequate ventilation. Avoid inhalation of dust from the spilled material. Wear appropriate personal protective equipment.

Methods and materials for containment and cleaning up: For waste disposal, see section 13 of the SDS. Avoid the generation of dusts during clean-up. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination.

Section 7 Handling and storage

Precautions for safe handling: 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. Use of a designated area is recommended for handling of potent materials

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.

Eye/face protection: Safety glasses with sideshields 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 nonlatex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy.

Section 8 Exposure Controls/Personal Protection (Continued)

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.

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

Section 9 Physical and chemical properties

Physical State	Solid
Appearance	Colorless crystals or white crystalline powder.
Odor	Odorless or faint odor.
Odor Threshold	Not available
pH	Not available
Melting Point/Range	203 - 210.2 °F (95 - 99 °C)
Boiling Point/Range	Not available
Flash Point	356.00 °F (180.00 °C) (method not specified)
Evaporation Rate	Not available
Flammability (solid,gas)	Not available
Flammability or explosive limits	
Upper	Not available
Lower	Not available
Vapor Pressure	0.0000409 kPa at 25 °C
Vapor Density	Not available
Vapor density	Not available
Evaporation rate	Not available
Solubility	Very slightly soluble in water. Freely soluble in ethanol, in ether, and in methanol; soluble
in	acetone.
Partition coefficient (n-octanol/water)	3.04
Auto-ignition temperature	> 1112 °F (> 600 °C)
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Other information	No further relevant information available.
Chemical Family:	Thyroxine derivative.
Molecular Formula	C ₁₀ H ₁₂ O ₃
Molecular Weight	180.2 g/mol
Specific gravity	1.063 at 102 °C; 1.28

Section 10 Stability and reactivity

Reactivity:	No reactivity hazards known.
Chemical stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use..
Conditions to avoid:	None known.
Incompatible materials:	Strong oxidizing agents. Strong bases.
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

- Inhalation:** Due to lack of data the classification is not possible.
Skin contact: Due to lack of data the classification is not possible.
Eye contact: Based on available data, the classification criteria are not met.
Ingestion: Based on information from therapeutic use, this material may cause: Hyperthyroidism.

Symptoms related to the: Parabens: Coughing. Difficulty breathing. Gastrointestinal irritation. Skin rash. Itching.

physical, chemical, and toxicological characteristics

Cross Sensitivity: Persons sensitive to one paraben may be sensitive to this material also.

Acute toxicity: Harmful if swallowed.

Product	Species	Test Results
Propylparaben (CAS 94-13-3) <i>Oral</i> LD50	Mouse	6332 mg/kg

- Skin corrosion/irritation:** Due to lack of data the classification is not possible.
Serious eye damage/eye irritation: Due to lack of data the classification is not possible.
Respiratory or Skin Sensitization
Respiratory sensitization: Due to lack of data the classification is not possible.
Skin sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Due to lack of data the classification is not possible. Data from germ cell mutagenicity were not found.

Mutagenicity

Chromosomal aberrations in Chinese hamster ovary cells	Result: Positive.
E. coli assay	Result: Negative and positive.
In vivo cytogenic assay (mouse bone marrow)	Result: Negative.
S. typhimurium Ames assay	Result: Negative and positive.
Sister chromatid exchange in Chinese hamster ovary cells	Result: Positive.

Section 11 Toxicological information (Continued)

- Carcinogenicity:** Due to lack of data the classification is not possible. This material is not considered to be a carcinogen by IARC, NTP, or OSHA.
Reproductive toxicity: Due to lack of data the classification is not possible.

Reproductivity

0 - 1000 mg/kg/day Reproductivity study

Result: Dose-related reductions in sperm production and testosterone were observed.

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

Section 12 Ecological information

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

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil: Not available. **Other**

adverse effects: Not available.

Section 13 Disposal considerations

Disposal instructions: Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

Local disposal regulations: Not available.

Hazardous waste code: Not available.

Waste from residues / unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner

Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.