

SAFETY DATA SHEET

Prepared in accordance with OSHA Hazard Communication Standard (HCS)
2024 — 29 CFR 1910.1200

Product: Benzophenone-4 Powder

SKU: RAW2183

Revision Date: 09/21/2026

Revision No.: 1

1. IDENTIFICATION

Product Name	Benzophenone-4 Powder
Chemical Name / Trade Name	UVASORB S5 (Benzophenone-4)
SKU	RAW2183
Recommended Use	UV absorber; raw material for cosmetic and personal care manufacture.
Restrictions on Use	No known restrictions.
Supplier	Essentials by Catalina 12781 Temescal Canyon Rd. Corona CA 92883 951-674-4444 hello@essentialsbycatalina.com
Emergency Contact	CHEMTREC: 1-800-424-9300 (24-Hour Emergency Response)

2. HAZARD IDENTIFICATION

Hazard Class	Category	Statement
Skin Corrosion/Irritation	Category 2	H315: Causes skin irritation
Skin Sensitization	Category 1	H317: May cause an allergic skin reaction
Serious Eye Damage/Eye Irritation	Category 2A	H319: Causes serious eye irritation



Hazard Pictogram

Signal Word: Warning

Precautionary Statements

P264	Wash hands thoroughly after handling
P280	Wear protective gloves/protective clothing/eye and face protection
P302 + P352	IF ON SKIN: Wash with plenty of soap and water
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention

Other Hazards None.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Component	CAS Number	Concentration
Benzophenone-4	4065-45-6	95 – 100%

4. FIRST AID MEASURES

Inhalation	If breathing becomes difficult, move the victim to fresh air and give oxygen. If breathing has ceased, administer artificial respiration. Seek immediate medical attention.
Skin	Remove contaminated clothing and segregate. Wash affected areas thoroughly with soap and water. Seek medical attention if irritation develops or persists. Wash contaminated clothing before reusing.
Eye Exposure	Irrigate with water for at least 15 minutes. Seek medical attention.
Ingestion	Rinse mouth with water. Do not induce vomiting unless advised to do so by a physician. Seek immediate medical attention. Never give anything by mouth to an unconscious person.
Most Important Symptoms/Effects	For symptoms and effects caused by the contained substance, please refer to Sections 2 and 11.
Indication of Immediate Medical Attention	Follow doctor's orders.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Carbon dioxide, dry chemical, foam, and water spray.
Unsuitable Extinguishing Media	Do not use jets of water. Water is not effective for extinguishing but can be used to cool containers exposed to flames and prevent explosions.
Specific Hazards	Containers exposed to fire may form excess pressure and possibly explode. Do not breathe combustion products (toxic pyrolysis products, etc.).
Protective Equipment for Firefighters	Wear full protective fire gear including SCBA operated in positive-pressure mode when potential for exposure to combustion products exists.
Precautions for Firefighters	Use jets of water to cool containers to prevent product decomposition and the development of substances potentially hazardous for health. Dispose of contaminated fire-fighting water in accordance with regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Respiratory protection is required if airborne exposure levels exceed industry standards.
Environmental Precautions	Product must not penetrate storm drains, sewers, surface water, groundwater, or neighboring areas.
Containment and Clean-Up	Sweep or shovel material without generating dust. Collect material in a suitable container with a closed lid for disposal. Dispose of in accordance with regulations.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes, skin, and mucous membranes. Avoid the formation/inhalation of product dust. Ensure adequate ventilation is established in working areas.
Storage	Store product in original containers with proper labeling. Container lid should be tightly sealed when not in use. Store in a dry, cool, and well-ventilated area. Protect from moisture (hygroscopic) and light.
Incompatibilities	No known incompatibilities under normal use and proper storage conditions.
Specific End Uses	No other specific uses are stipulated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters	Information not available. If permitted workplace exposure thresholds are exceeded, respiratory protection must be worn.
Engineering Controls	Ensure proper exhaust ventilation is equipped in working areas where dust may be formed.
Eye Protection	Chemical protective goggles or a full-face respirator mask.
Skin Protection	Standard full-length work apparel, TYVEK-type coveralls, and professional safety footwear.
Hand Protection	Chemical protective gloves.
Respiratory Protection	Organic vapor mask with dust filter, or supplied air, depending on airborne exposure levels.
Other Protective Equipment	Eye wash/safety shower located within 25 feet of the working area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Property	Value
Appearance	Powder	Specific Gravity	1.300 kg/L
Color	White to pale yellow	Solubility (H ₂ O, 25°C)	250 g/L
Odor	Characteristic	Partition Coefficient (n-octanol/water)	0.37
Melting Point	>120°C	Decomposition Temperature	>150°C
Boiling Point	Not applicable	Flash Point	Not applicable
pH (1% in water)	Not available	Vapor Pressure/Density	Not available

10. STABILITY AND REACTIVITY

Reactivity	Product may react exothermically on contact with strong oxidizing agents, reducers, strong acids, or strong bases.
Chemical Stability	Excessively high temperatures can cause thermal decomposition.
Possibility of Hazardous Reactions	Avoid oxidizers, reducers, strong acids, and strong bases.
Conditions to Avoid	Avoid heating the product.
Incompatible Materials	Oxidizers, reducers, strong acids, and strong bases.
Hazardous Decomposition Products	In the event of thermal decomposition or fire, potentially hazardous vapors may be released.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity – Oral (Rat)	LD50: >6400 mg/kg
Skin Irritation (Rabbit)	Irritant.
Irritation to Mucous Membranes (Rabbit)	Irritant.

Skin Sensitization – Maximization Test (Guinea Pig)	Sensitizing (OECD Guideline 406).
Skin Sensitization – Buehler Test (Guinea Pig)	Non-sensitizing (OECD Guideline 406).
Mutagenesis	Negative in various tests with bacteria and mammalian cell culture.
Toxicological Effects	Contact with skin may cause irritation, erythema, edema, dryness, and chapped skin. Vapor inhalation may slightly irritate the upper respiratory tract. Ingestion may cause stomach pain, nausea, and sickness. Repeated and prolonged skin contact causes sensitization (dermatitis).

12. ECOLOGICAL INFORMATION

General	This product may damage the structure/function of aquatic ecosystems in the short, long, and/or delayed term.
Acute Toxicity	LC50 (fish, 96h): >220 mg/L
Persistence and Degradability	Not readily biodegradable (by OECD criteria); biodegradable after extended adaptation. Easily eliminated from water. (OECD 301E: 0–10% elimination in 28 days; OECD 302B: 70–80% elimination in 35 days.)
Bioaccumulative Potential	Accumulation in organisms is not expected.
Mobility in Soil	Information not available.
Other Adverse Effects	No evidence.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods	The waste contained in this product should be evaluated in accordance with applicable regulations. Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations. Contact the nearest EPA office for guidance if necessary.
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14. TRANSPORT INFORMATION

U.S. DOT	Not Regulated (Not Dangerous Goods)
IMDG	Not Regulated (Not Dangerous Goods)
IATA	Not Regulated (Not Dangerous Goods)

15. REGULATORY INFORMATION

Global Chemical Inventories	All components of this product are listed on: US (TSCA), EU (REACH), Australia (AICS), Canada (DSL), China (IECSC), Japan (ENCS), Korea (ECL), New Zealand (NZIoC), Philippines (PICCS), and Taiwan (NECI).
California Proposition 65	Not listed.
CERCLA Reportable Quantity	Not listed.

16. OTHER INFORMATION

Rating System	Health	Fire	Reactivity
NFPA	1	1	0

Revision Number 1

Revision Date 09/21/2026

Reason for Issue Initial EBC issuance, adapted from supplier SDS.

Text of Hazard (H) Indicators Referenced in Sections 2 and 3: H413 (Aquatic Chronic Toxicity, Category 4): May cause long lasting harmful effects to aquatic life.

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Essentials by Catalina | 12781 Temescal Canyon Rd. | Corona | CA 92883 | 951-674-4444 | hello@essentialsbycatalina.com