

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier

Product Name : Benzophenone-4 Powder (RAW2183)

1.2 Recommended use(s) and restrictions

Product use : UV absorber – manufacture of substances

Restrictions of use : No known restrictions

1.3 Manufacturer / Supplier

Company Information : Essentials by Catalina Inc.
12781 Temescal Canyon Rd
Corona, CA 92883 USA

Telephone : (951) 674-4444

E-mail address - responsible person
for safety data sheets. : info@essentialsbycatalina.com

1.4 Emergency Telephone Number

24 Hour Emergency Information : CHEMTREC - 1-800-424-9300

2. HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or Mixture

2.2 GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)

Skin Corrosion/Irritation (Category 2), H315

Skin Sensitization (Category 1), H317

Serious Eye Damage/Eye Irritation (Category 2A), H319

2.3 GHS Label elements, including Precautionary Statements

Pictograms :



Signal word : Warning

SAFETY DATA SHEET

Benzophenone-4 Powder (RAW2183)

2. HAZARD(S) IDENTIFICATION (continued)

Hazard Statements

- H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H319 : Causes serious eye irritation.

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

3.1 Substance / Mixture

<u>Chemical component(s)</u>	<u>CAS Number(s)</u>	<u>Concentration(s)</u>
Benzophenone-4	: 4065-45-6	95-100%

4. FIRST AID MEASURES

4.1 Description of 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/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.

- 4.2 Most important symptoms and effects, both acute and delayed** : For symptoms and effects caused by the contained substances, please refer to sections 2 and 11.

- 4.3 Indication of immediate medical attention and special treatment needed** : Follow doctor's orders

SAFETY DATA SHEET

Benzophenone-4 Powder (RAW2183)

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

- 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 putting out fires but can be used to cool containers exposed to flames and prevent explosions.

5.2 Special hazards arising from the Substance / mixture

- : Containers exposed to fire may form excess pressure and possibly explode. Do not breathe combustion products (toxic pyrolysis products, etc).

5.3 Advice for fire-fighters

- Protective Equipment : Wear full protective fire gear including SCBA operated in the positive pressure mode when the potential for exposure to chemicals of combustion exists.
- Precautions for fire-fighters : Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Dispose of contaminated water used to extinguish fire in accordance with regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

- : Respiratory protection is required if airborne exposure levels exceed industry standards.

6.2 Environmental Precautions

- : Product must not penetrate storm drains, sewers, surface water, ground water or neighboring areas.

6.3 Methods and Materials for containment and clean-up :

- : Sweep or shovel material without the formation of dust. Collect material in a suitable container with closed lid for disposal. Dispose in accordance with regulations.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

- : Avoid contact with eyes, skin and mucous membranes. Avoid the formation / inhalation of product dust. Ensure adequate ventilation is established in working areas.

7.2 Conditions for Safe Storage

- : Store product in original containers with proper labeling. Container lid should be tightly sealed when not in use. Store product in a dry, cool and well ventilated area. Protect from moisture (hygroscopic) and light.

7.3 Incompatibilities

- : No known incompatibilities under normal use and proper storage conditions.

7.4 Specific end use(s)

- : No other specific uses are stipulated.

SAFETY DATA SHEET

Benzophenone-4 Powder (RAW2183)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control Parameters** : Information not available
- Components with control parameters : If permitted workplace exposure thresholds do not meet specifications, respiratory protection must be worn.
- 8.2 Engineering Controls**
- Control Measures : Ensure proper exhaust ventilation is equipped in working areas / where dust may be formed.
- 8.3 Personal Protective Equipment**
- 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 upon airborne exposure levels.
- 8.4 Protective Equipment** : Eye wash/safety shower located within 25 feet of working area.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties

- Appearance : Powder
- Color : White to pale yellow
- Odor : Characteristic
- Odor Threshold : Not available
- pH (1% in water) : Not available
- Melting Point : > 120 °C
- Boiling Point : Not applicable
- Distillation Range : Not available
- Flash Point : Not applicable
- Evaporation Rate : Not available
- Flammability of solids and gases : Not available
- Vapor Pressure : Not available
- Vapor Density : Not available
- Specific gravity : 1,300 kg/l
- Solubility (H₂O, 25°C) : 250 g/l
- Partition coefficient: n-octanol / water : 0.37
- Ignition temperature : Not available
- Decomposition temperature : > 150 °C
- Viscosity : Not available
- Reactive Properties : Not available

SAFETY DATA SHEET

**Benzophenone-4 Powder
(RAW2183)**

Revision Number 2.0
Revision Date 03/22/2016
Print Date 03/22/2016

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity

- LD50 (oral / rat) : > 6400 mg/kg
- Skin Irritation (rabbit) : Irritant
- Irritation to mucous membranes (rabbit) : Irritant
- Skin Sensitization
- Maximization Test (Guinea pig) : Sensitizing (OECD Guideline 406)
- Buehler Test (Guinea pig) : Non-sensitizing (OECD Guideline 406)
- Mutagenesis : Negative in various tests with bacteria and mammalian cell culture.

11.2 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 contact with skin causes sensitization (dermatitis).

12. ECOLOGICAL INFORMATION

This product may damage the structure/functions of aquatic ecosystems in the short, long and/or delayed term.

12.1 Toxicity

- LC50 (fish / 96h) : > 220 mg/l

12.2 Persistence and Degradability

- Test Method : OECD 301E/92/69/EEC,C.4-B (aerobic), activated sludge, domestic
- Method of Analysis : DOC reduction
- Degree of Elimination : 0 - 10 % (28 d)
- Test Method : OECD Guideline 302B (aerobic), activated sludge, domestic, adapted
- Method of Analysis : DOC reduction
- Degree of elimination : 70 - 80 % (35 d)
- Assessment : Not readily biodegradable (by OECD criteria). Biodegradable after extended adaptation. Easily eliminated from water.

SAFETY DATA SHEET

**Benzophenone-4 Powder
(RAW2183)**

Revision Number 2.0
Revision Date 03/22/2016
Print Date 03/22/2016

12. ECOLOGICAL INFORMATION (continued)

- 12.3 Bio-accumulative potential** : Accumulation in organisms is not to be expected.
- 12.4 Mobility in Soil** : Information not available
- 12.5 Results of PBT and vPvB Assessment** : Information not available
- 12.6 Other Adverse Effects** : No evidence

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

The hazard 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.

14. TRANSPORT INFORMATION

- US DOT : Not Regulated (Not Dangerous Goods)
- IMGD : Not Regulated (Not Dangerous Goods)
- IATA : Not Regulated (Not Dangerous Goods)

15. REGULATORY INFORMATION

Global Chemical Inventories

All of the components comprised in this product are listed on the following inventories.

- | | |
|-------------|---------|
| US | (TSCA) |
| EU | (REACH) |
| Australia | (AICS) |
| Canada | (DSL) |
| China | (IECSC) |
| Japan | (ENCS) |
| Korea | (ECL) |
| New Zealand | (NZIoC) |
| Philippines | (PICCS) |
| Taiwan | (NECI) |

State Regulations

- California Proposition 65 : This product contains residual solvent methylene chloride which is known to the State of California to cause cancer or reproductive toxicity as listed under California Proposition 65 State Drinking Water and Toxic Enforcement Act.

U.S. Federal Regulations

- CERCLA RQ (lbs.) : Not Listed

SAFETY DATA SHEET

**Benzophenone-4 Powder
(RAW2183)**

Revision Number 2.0
Revision Date 03/22/2016
Print Date 03/22/2016

16. OTHER INFORMATION

NFPA Rating

Health Hazard : (1)
Fire Hazard : (1)
Reactivity Hazard : (0)

Text of Hazard (H) Indicators referenced in sections 2 and 3

Aquatic, Chronic Toxicity (Category 4) : Hazardous to the aquatic environment
H413 : May cause long lasting harmful effects to aquatic life.

Distributed by



12781 Temescal Canyon Rd,
Corona, CA 92883
+1 (951) 674-4444
hello@essentialsbycatalina.com

“FOR CHEMICAL EMERGENCY”

Call CHEMTREC

24 Hour Emergency Response Information
1-800-424-9300

The statements made herein are intended to provide product safety information. This safety data sheet has been prepared with information currently available. Although care has been taken to provide accurate information, no warranties either expressed or implied are being made as a result of this information.