

## Octabenzene 1843-05-6 MSDS

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### Product identifiers

Product name : 2-Hydroxy-4-(octyloxy)benzophenone

REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

CAS-No. : 1843-05-6

#### Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

### SECTION 2: Hazards identification

#### Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Skin sensitisation (Category 1), H317

For the full text of the H-Statements mentioned in this Section, see Section 16.

##### Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xi Irritant R43

For the full text of the R-phrases mentioned in this Section, see Section 16.

#### Label elements

##### Labelling according Regulation (EC) No 1272/2008

Pictogram

Signal word Warning

Hazard statement(s)

H317 May cause an allergic skin reaction.

Precautionary statement(s)

P280 Wear protective gloves.

Supplemental Hazard none

Statements

#### Other hazards - none

### SECTION 3: Composition/information on ingredients

#### Substances

Formula : C<sub>21</sub>H<sub>26</sub>O<sub>3</sub>

Molecular Weight : 326,43 g/mol

CAS-No. : 1843-05-6

EC-No. : 217-421-2

##### Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
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#### 2-Hydroxy-4-(octyloxy)benzophenone

CAS-No.	1843-05-6	Skin Sens. 1; H317	<= 100 %
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EC-No. 217-421-2

### **Hazardous ingredients according to Directive 1999/45/EC**

Component	Classification	Concentration
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#### **2-Hydroxy-4-(octyloxy)benzophenone**

CAS-No.	1843-05-6	Xi, R43	<= 100 %
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EC-No.	217-421-2
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For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16

## **SECTION 4: First aid measures**

### **Description of first aid measures**

#### **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### **In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

#### **In case of eye contact**

Flush eyes with water as a precaution.

#### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### **Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### **Indication of any immediate medical attention and special treatment needed**

no data available

## **SECTION 5: Firefighting measures**

### **Extinguishing media**

#### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **Special hazards arising from the substance or mixture**

no data available

### **Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

### **Further information**

no data available

## **SECTION 6: Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure

adequate ventilation. Avoid breathing dust.

For personal protection see section 8.

#### **Environmental precautions**

Do not let product enter drains.

#### **Methods and materials for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### **Reference to other sections**

For disposal see section 13.

### **SECTION 7: Handling and storage**

#### **Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

#### **Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

#### **Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

### **SECTION 8: Exposure controls/personal protection**

#### **Control parameters**

#### **Components with workplace control parameters**

#### **Exposure controls**

#### **Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and

at the end of workday.

#### **Personal protective equipment**

#### **Eye/face protection**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### **Body Protection**

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### **Respiratory protection**

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher

level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges.  
Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Control of environmental exposure**

Do not let product enter drains.

### **SECTION 9: Physical and chemical properties**

#### **Information on basic physical and chemical properties**

- a) Appearance      Form: powder  
Colour: light yellow
- b) Odour      no data available
- c) Odour Threshold      no data available
- d) pH      no data available
- e) Melting point/freezing      Melting point/range: 47 - 49 °C - lit.  
point
- f) Initial boiling point and 175 °C at 1,332 hPa  
boiling range
- g) Flash point      102 °C - ASTM D 93
- h) Evaporation rate      no data available
- i) Flammability (solid, gas) The product is not flammable. - Flammability (solids)
- j) Upper/lower      no data available  
flammability or  
explosive limits
- k) Vapour pressure      no data available
- l) Vapour density      no data available
- m) Relative density      1,160 g/cm<sup>3</sup> at 25 °C
- n) Water solubility      0,0001 g/l at 20 °C - OECD Test Guideline 105 - insoluble
- o) Partition coefficient: n- log Pow: 6,416  
octanol/water
- p) Auto-ignition      no data available  
temperature
- q) Decomposition      > 300 °C -  
temperature
- r) Viscosity      no data available
- s) Explosive properties      no data available
- t) Oxidizing properties      no data available

#### **Other safety information**

no data available

### **SECTION 10: Stability and reactivity**

#### **Reactivity**

no data available

#### **Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

no data available

**Conditions to avoid**

no data available

**Incompatible materials**

Strong oxidizing agents

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - no data available

In the event of fire: see section 5

**SECTION 11: Toxicological information****Information on toxicological effects****Acute toxicity**

LD50 Oral - rat - male - > 10.000 mg/kg

(OECD Test Guideline 423)

LD50 Dermal - rabbit - male - > 10.000 mg/kg

(OECD Test Guideline 402)

**Skin corrosion/irritation**

Skin - rabbit

Result: No skin irritation - 4 h

(OECD Test Guideline 404)

**Serious eye damage/eye irritation**

Eyes - rabbit

Result: No eye irritation

(OECD Test Guideline 405)

**Respiratory or skin sensitisation**

Maximisation Test - guinea pig

Result: May cause sensitisation by skin contact.

(OECD Test Guideline 406)

**Germ cell mutagenicity**

Ames test

S. typhimurium

Result: negative

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as

probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available

**Additional Information**

RTECS: DJ1595000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**SECTION 12: Ecological information****Toxicity**

Toxicity to fish        static test LC50 - Danio rerio (zebra fish) - > 100 mg/l - 96 h  
(OECD Test Guideline 203)

Toxicity to daphnia and semi-static test EC50 - Daphnia magna (Water flea) - > 0,0052 mg/l - 48 h

other aquatic        (OECD Test Guideline 202)

invertebrates

Toxicity to algae        static test EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus)  
- >

100 mg/l - 72 h  
(OECD Test Guideline 201)

Toxicity to bacteria        Respiration inhibition EC50 - Sludge Treatment - > 100 mg/l - 3 h  
(OECD Test Guideline 209)

**Persistence and degradability**

Biodegradability        aerobic - Exposure time 28 d  
Result: 6 % - Not readily biodegradable.  
(OECD Test Guideline 301B)

**Bioaccumulative potential**

Bioaccumulation        Cyprinus carpio (Carp) - 60 d  
- 0,02 mg/l  
Bioconcentration factor (BCF): 89 - 190  
(OECD Test Guideline 305C)

**Mobility in soil**

no data available

**Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**

no data available

**SECTION 13: Disposal considerations****Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material

with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**

Dispose of as unused product.

**SECTION 14: Transport information****UN number**

ADR/RID: -      IMDG: -      IATA: -

**UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA:      Not dangerous goods

**Transport hazard class(es)**

ADR/RID: -      IMDG: -      IATA: -

**Packaging group**

ADR/RID: -      IMDG: -      IATA: -

**Environmental hazards**

ADR/RID: no      IMDG Marine pollutant: no      IATA: no

**Special precautions for user**

no data available

**SECTION 15: Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

no data available

**Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

**SECTION 16: Other information****Full text of H-Statements referred to under sections 2 and 3.**

H317      May cause an allergic skin reaction.

Skin Sens.      Skin sensitisation

**Full text of R-phrases referred to under sections 2 and 3**

Xi Irritant

R43 May cause sensitisation by skin contact.

**Further information**

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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. Corporation and its Affiliates shall not be held

liable for any damage resulting from handling or from contact with the above product. See  
and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.