

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Item number/ Trade name	<b>5871-27</b>	Print date	<b>04/14/2022</b>
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Item number/ Trade name	Color for candles
UFI	5871-27 QG1F-FPKG-S10S-F07N

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

General use	Coloration of hydrocarbons, waxes, oils and fats
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### 1.3 Details of the supplier of the safety data sheet

Company/undertaking identification	
Name	bekro chemie GmbH & Co. KG
Street/POB-No.: 1	Industriestrasse 104
City	D-66802 Ueberherrn
Phone #	+49 6836 9198 0
Telefax #	+49 6836 9198 10
E-mail	info@bekro.de

### 1.4 Emergency telephone number

Name	Bekro Chemie GmbH (Mo - Thu 8.00 - 16.30, Fr 8.00 - 14.30)
Phone #	+49 6836 9198 0

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to EC regulation 1272/2008 (CLP)

Skin Sens. 1; H317 May cause an allergic skin reaction.

### 2.2 Label elements



Warning

Nature of Hazard	GHS07 Exclamation mark
Hazard statements (CLP)	H317 May cause an allergic skin reaction.
Precautionary statements (CLP)	P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
	P280 Wear protective gloves/protective clothing/eye protection/face protection.
	P363 Wash contaminated clothing before reuse.
	P501 Dispose of contents/container to hazardous or special waste collection point.
	P302+P350 IF ON SKIN: Gently wash with plenty of soap and water.
Hazard-determining component(s) of labelling	P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
	(2-Hydroxy-4-(octyloxy)phenyl)(phenyl)methanone

#### Special provisions concerning the labelling of certain mixtures

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### 2.3 Other hazards

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## SECTION 3: Composition/information on ingredients

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## **3.1 Substances**

Mixture of waxes, colouring agents and additives

## **3.2 Mixtures**

### **Hazardous ingredients**

(2-Hydroxy-4-(octyloxy)phenyl)(phenyl)methanone: 10 % - 24,99 %  
CAS-Number: 1843-05-6  
EINECS / ELINCS / NLP: 217-421-2  
REACH registration No.: 01-2119557833-30-0008  
Classification according to EC regulation 1272/2008 (CLP):  
Aquatic Chronic 3; H412 / Skin Sens. 1; H317

Full text of H- and EUH-phrases: see section 16.

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

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

General information	If you feel unwell, seek medical advice.
In case of inhalation	Move victim to fresh air. Seek medical aid in case of troubles.
In case of skin contact	Thoroughly wash skin with soap and water.
After eye contact	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek medical attention if irritation persists.
After swallowing	Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Seek medical treatment in case of troubles.

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

Symptoms ---

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

Information to physician ---

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media	Carbon dioxide , water spray jet , extinguishing powder , foam.
Extinguishing media which must not be used for safety reasons	Full water jet

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

Possible combustion products	Nitrogen oxides (NOx), carbon monoxide and carbon dioxide
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### 5.3 Advice for firefighters

Special protective equipment for firefighters	Wear self-contained breathing apparatus.
Additional information	Do not allow water used to extinguish fire to enter drains, ground or waterways. Do not allow fire water to penetrate into surface or ground water. You have to dispose of contaminated extinguishing water according to the regulations of the authorities.

## SECTION 6: Accidental release measures

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

Avoid dust formation. Do not breathe dust. With the formation of dust, use a dust mask. Keep away from sources of ignition - No smoking. Avoid contact with skin, eyes, and clothing.

### 6.2 environmental precautions

Do not allow to enter into ground-water, surface water or drains. Discharge into the environment must be avoided.

### 6.3 Methods and material for containment and cleaning up

Take up spilled product with dustpan and brush. Avoid causing any dust. Industrial vacuum cleaner recommended to avoid causing dust. Clean soiled areas with a conventional household cleaner.

### 6.4 Reference to other sections

Personal protection equipment: see section 8, Disposal: see section 13

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling Avoid contact with eyes and skin. When using do not eat, drink, smoke, sniff. Make sure there is sufficient air exchange and / or that working rooms are air suctioned. Avoid dust formation.

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

Requirements for storerooms and containers Keep away from sources of ignition and heat. Store in a cool dry place. Store in a well-ventilated place. Keep container tightly closed. Protect from direct sunlight.

Storage class 11

### 7.3 Specific end use(s)

General use Coloration of hydrocarbons, waxes, oils and fats

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

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(2-Hydroxy-4-(octyloxy)phenyl)(phenyl)methanone  
DEU - A: respirable fraction 3,000 mg/m<sup>3</sup>

(2-Hydroxy-4-(octyloxy)phenyl)(phenyl)methanone  
DEU - E: inhalable fraction 10,000 mg/m<sup>3</sup>

### 8.2 Exposure controls

Respiratory protection With correct and proper use, and under normal conditions, breathing protection is not required. Provide good ventilation and/or an exhaust system in the work area. Wear a dust mask, in case of excessive dust.

Hand protection Wear suitable gloves.- according to DIN-/EN-Norms EN 420, EN 388 and EN 374 Part 1,3

Eye protection Goggles according to EN 166.

Body protection Wear suitable protective clothing and shoes.

General protection and hygiene measures Keep away from food and drinks. When using do not eat, drink or smoke. Wash hands before breaks and after work. Wash contaminated clothing prior to re-use.

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## SECTION 9: Physical and chemical properties

### 9.1 information on basic physical and chemical properties

Form	solid		
Colour	orange		
Odour	characteristic		
Important health, safety and environmental information			
Initial boiling point and boiling range	> 130 °C		
Melting point/freezing point	> 60 °C	60 °C	
Flash point/flash point range	> 150 °C		
Ignition temperature	> 200 °C		
Solubility	Product is difficult to dissolve in water.		
Vapour pressure	not determined	---	---
Density and/or relative density	not determined	---	---
Bulk density	---	---	---
Dynamic viscosity	---	---	---
Kinematic viscosity	0 m <sup>2</sup> /s	---	---
Lower explosion limit	---		
Upper explosion level	---		
Flow time 4mm (DIN)	not determined		
PH			---
Partition coefficient: n-octanol/water	---		---

### 9.2 Other information

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## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	Non-reactive
<b>10.2 Chemical stability</b>	Product is stable under normal storage conditions.
<b>10.3 Possibility of hazardous reactions</b>	---
<b>10.4 Conditions to avoid</b>	Avoid dust formation. Avoid dust deposits. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.
<b>10.5 Incompatible materials</b>	strong acids and bases, strong oxidizing agents
<b>10.6 Hazardous decomposition products</b>	Hazardous vapours may form during fires. In case of fire may be liberated: Nitrogen oxides (NOx), carbon monoxide and carbon dioxide

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### General remarks

No toxicological tests were conducted with the mixture.

#### Toxicological tests: components

##### (2-Hydroxy-4-(octyloxy)phenyl)(phenyl)methanone

Skin sensitisation	-	sensitising	OECD 406
<i>guinea pig</i>			
Skin irritation:	-	not determined	
<i>Rabbit</i>			
Eye irritation:	-	not determined	
<i>Rabbit</i>			

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Acute oral toxicity <i>Rat</i>	LD50 >	2000.0 mg/kg
Acute dermal toxicity	-	not determined
Acute inhalation toxicity	-	not determined

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity ---

### Ecotoxicological effects: components

#### (2-Hydroxy-4-(octyloxy)phenyl)(phenyl)methanone

acute Daphnia toxicity <i>Daphnia magna (Big water flea)</i>	EC50=	52.0 mg/L
algae toxicity <i>Scenedesmus subspicatus</i>	EC50>	100.0 mg/L
acute fish toxicity <i>Danio rerio (zebrafish)</i>	LC50>	100.0 mg/L
Bacteria toxicity	IC50>	100.0 mg/L

### 12.2 Persistence and degradability

Evaluation text ---  
 Degree of elimination ---  
 Analytical method ---

### 12.3 Bioaccumulative potential

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### 12.4 Mobility in soil

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### 12.5 Results of PBT and vPvB assessment

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### 12.6 Other adverse effects

The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see section 3).

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

<b>Product</b> Recommendation	Dispose of waste according to applicable legislation. Discharge into the environment must be avoided.
<b>Package</b> Recommendation	Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

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## SECTION 14: Transport information

### 14.1 UN number

ADR, IATA, IMDG ---

### 14.2 UN proper shipping name

Product designation: ADR/RID ---

Proper shipping name: IATA-DGR ---

Proper shipping name: IMDG ---

### 14.3 Transport hazard class(es)

Class ADR/RID ---

Code: ADR/RID ---

Class IATA-DGR ---

Subrisk IATA-DGR ---

Class IMDG ---

Subrisk IMDG ---

### 14.4 Packing group

ADR, IATA, IMDG No packaging for dangerous goods required

### 14.5 Environmental hazards

Marine Pollutant -  
 IMDG ---

EmS ---

Stowage and segregation ---

### 14.6 Special precautions for user

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### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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### **Additional information**

EQ ---

Limited quantities ---

Special Provisions ---

Tunnel restriction ---

Transport category ---

Kemmler-number ---

No dangerous good in sense of these transport regulations.

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## SECTION 15: Regulatory information

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

#### National regulations

##### Germany

Storage class	11
Water Hazard Class	1
Incident regulation	---
Information on working limitations	No special measures are required.

### 15.2 Chemical Safety Assessment

Chemical Safety Assessment                      No substance safety evaluation was conducted with the mixture/ substance.



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## SECTION 16: Other information

### Hazard statements (CLP)

H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

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Reason of change General revision

### Abbreviations

--- no data, not determined or not applicable  
 REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (Verordnung (EG) Nr. 1907/2006 )  
 OECD Organisation for Economic Co-operation and Development  
 LD50 Median lethal dose  
 LC50 Median lethal concentration  
 EC50 Median effective dose  
 IC50 Median inhibitory concentration  
 VCI Verband der chemischen Industrie  
 CAS Chemical Abstract Service  
 EINECS European Inventory of Existing Commercial Chemical Substances  
 ELINCS European List of Notified Chemical Substances  
 NLP No Longer Polymers  
 CLP Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging  
 EG Europäische Gemeinschaft  
 WGK Wassergefährdungsklasse (according to AwSV, Appendix 1 (5.2))  
 AGW Arbeitsplatzgrenzwert  
 ADR Accord Européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 RID Règlement concernant le transport international ferroviaire des marchandises dangereuses (International Rule for Transport of Dangerous Substances by Railway)  
 IATA International Air Transport Association  
 IMDG International Maritime Dangerous Goods  
 MARPOL International Convention for the Prevention of Pollution From Ships (MARine POLLution)  
 EmS Emergency Schedules