



## CERTIFICATE OF ANALYSIS

PRODUCT                    BENZOPHENONE CRYST.  
BATCH NO                    4437604  
BEST BEFORE END        JUNE 2023

TEST	UNIT	RESULTS
APPEARANCE		CRYSTALLINE SOLID (POWDER)
COLOR		WHITE TO PALE YELLOW
ODOR		SWEET, ROSY, SLIGHTLY HERBAL
OTHER		MELTING POINT: 47,7-48,5 °C
GC ANALYSIS		PROFILE SIMILAR TO STANDARD
ASSAY	(% GC)	99.90

## FRAGRANCE ALLERGENS

Product name: BENZOPHENONE CRYST.

Ingredient	Total content (w/w)
Amyl cinnamic alcohol (CAS 101-85-9)	Not Detected
Amyl cinnamic aldehyde (CAS 122-40-7)	Not Detected
Anisyl alcohol (CAS 105-13-5)	Not Detected
Benzyl alcohol (CAS 100-51-6)	Not Detected
Benzyl benzoate (CAS 120-51-4)	Not Detected
Benzyl cinnamate (CAS 103-41-3)	Not Detected
Benzyl salicylate (CAS 118-58-1)	Not Detected
Cinnamic alcohol (CAS 104-54-1)	Not Detected
Cinnamic aldehyde (CAS 104-55-2)	Not Detected
Citral (CAS 5392-40-5)	Not Detected
Citronellol (CAS 106-22-9)	Not Detected
Coumarin (CAS 91-64-5)	Not Detected
Eugenol (CAS 97-53-0)	Not Detected
Farnesol (CAS 4602-84-0)	Not Detected
Geraniol (CAS 106-24-1)	Not Detected
Hexylcinnamic aldehyde (CAS 101-86-0)	Not Detected
Hydroxycitronellal (CAS 107-75-5)	Not Detected
Hydroxymethylpentylcyclohexene carboxaldehyde (Lyral) (CAS 31906-04-4)	Not Detected
Isoeugenol (CAS 97-54-1)	Not Detected
D-Limonene (CAS 5989-27-5)	Not Detected
Linalool (CAS 78-70-6)	Not Detected
2-methyl-3-(4-(1,1-dimethyl ethyl) phenyl)propanal (Lilial) (CAS 80-54-6)	Not Detected
Methyl heptine carbonate (CAS 111-12-6)	Not Detected
Gamma-methylionone (iso-alfa-Methylionone) (3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one) (CAS 127-51-5)	Not Detected
Treemoss (Evernia furfuracea) (CAS 90028-67-4)	Not Detected
Oakmoss (Evernia prunastri)(CAS 90028-68-5)	Not Detected

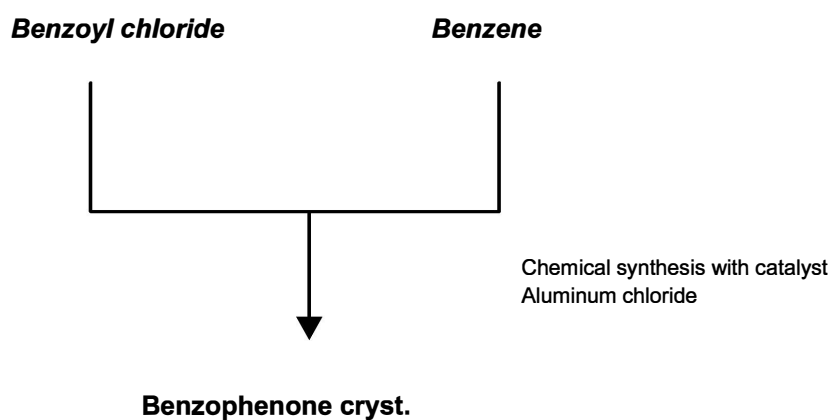
Detection limit: 10 ppm

This list comprises references 45, 67 and 69 to 92 in Annex III to Regulation (EC) 1223/2009 (the Cosmetics Regulation).

Version date: 4 October 2012

**Flowchart of the Production Process**

**Product:** BENZOPHENONE CRYST.



Information provided by our supplier(s) and/or according to literature data.

## Confidential Fragrance Product Information Form

### **1. General Information**

Supplier Product name: BENZOPHENONE CRYST.  
 Chemical name: METHANONE, DIPHENYL-  
 Type of Product: AROMA CHEMICAL  
 INCI Name : BENZOPHENONE  
  
 CAS number: 119-61-9  
 CAS number(alternative):  
 FEMA GRAS number 2134  
 FDA GRAS citation: 172.515  
 Molecular Formula: C13 H10 O  
 Molecular weight: 182  
 Generic Chemical class: KETONES  
 Purity > 99.5  
 Process description: Chemical synthesis from raw materials of mineral and/or petrochemical origin

### **Country of Origin**

Harmonized Tariff Code: 2914390030  
 Country of production: CHINA/GERMANY

### **GMO Statement**

This product or any of its ingredients are derived from genetically modified organism (GMO) material : Yes  No

### **BSE Statement**

The product contains materials of specific risk from bovine, ovine or caprine animal species: Yes  No

### **Organic Status**

This product is suitable for use in a product bearing a claim of "Organic", or "made with Organic" as defined by 7 CFR Part 205 under the U.S National Organic Program: Yes (on request)  No

This product is certified as organic according to the requirements of Regulation (EC) 834/2007: Yes (on request)  No

This product may comply with Regulation (EC) 834/2007 in terms of (certificate on request):

- compliance with the objectives, principles and plant production standards for organic production  
 compliance with the principles and plant production standards for organic production

### **2. Regulatory Status of ingredient(s)**

This product or all components of the product have been listed on the following inventories:

Region	Inventory	Yes	No	Inventory Number
USA	TSCA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
EUROPE	EINECS/ELINCS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	204-337-6
Canada	DSL/NDSL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Japan	ENCS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3-1258 // 4-125
Australia	AICS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
New Zealand	NZIoC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Philippines	PICCS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Korea	ECL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	KE-02716
China	IECSC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Taiwan	TCSI	<input type="checkbox"/>	<input type="checkbox"/>	

**3. Hazard identification** (please see our SDS)

**4. Transportation** (please see our SDS)

**5. CMR Substances** (please see our SDS)

**6. Animal testing** (the product has not been tested on animals for cosmetic purposes.)

**7. Fragrance Specific Information**

**EU fragrance Allergens**

Allergens certificate available on request.

**IFRA Certificate**

IFRA certificate available on request.

**Regulation (EC) 1223/2009 on Cosmetics Products**

Substance(s) which are mentioned in the Annexes to the EU Cosmetics Regulation (other than preservatives, dyes, UV filters, fragrance allergens): None present

Name	CAS-No.	Annex/Ref.	Percentage

**Other fragrance materials, restricted by major customers**

**Halogenated and Nitromusk substances:**

None present

Name of Halogenated / Nitromusk	CAS-No.	Percentage
Musk Ketone	81-14-1	
Musk Xylol	81-15-2	
Rosalin	90-17-5	

**Polycyclic musk compounds**

None present

Name of Polycyclic musk	CAS-No.	Percentage
Celestolide® (Crysolide®, ADBI)	13171-00-1	
Galaxolide® (Abbalide®, HHCB)	1222-05-5	
Phantolide® (AHDI)	15323-35-0	
Tonalide® (Fixolide®, AHTN)	21145-77-7	
Traseolide® (ATII)	68140-48-7	

**Macrocyclic musk compounds**

None present

Name of Macrocyclic Musk	CAS-No.	Percentage

**Additives and solvents**

Added solvents		None present <input checked="" type="checkbox"/>	Antioxidants/Stabilizers		None present <input checked="" type="checkbox"/>
Ingredient name	Percentage		Ingredient name	Percentage	
Benzyl benzoate			BHA		
Diethyl phthalate			BHT		
Dipropyleneglycol			Tocopherol		
Ethanol					
Ethyl diglycol					
Hercolyn					
Isopropyl myristate					
Propyleneglycol					
Triacetin					
Triethyl citrate					

Residual solvents		None present <input type="checkbox"/>	Preservatives		None present <input checked="" type="checkbox"/>
Ingredient name	Percentage		Ingredient name	Percentage	
Benzene	< 10 ppm		Methyl benzoate		
Toluene			Ethyl benzoate		
Hexane			Butyl benzoate		
Ethanol			Isobutyl benzoate		
Methanol	approx. 260 ppm		Benzyl alcohol		

Emulsifiers		None present <input checked="" type="checkbox"/>	UV filters		None present <input checked="" type="checkbox"/>
Ingredient name	Percentage		Ingredient name	Percentage	

Colors & dyes		None present <input checked="" type="checkbox"/>		
Ingredient name			Color Index Number	Percentage

**8. Volatile Organic Chemicals according to Swiss VOC-legislation (dated 12.11.1997/ 9.2.1999)**

Percentage	0
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**9. Nanomaterials**

This product contains nanomaterials as defined in Regulation (EC) 1223/2009 on Cosmetic Products and Recommendation 2011/696/EU on the definition of nanomaterial.

Yes  No

**10. California Proposition 65**    None present

Information available on request.

Name	CAS-No.		Percentage
			100,000

**11. CITES - Convention on International Trade in Endangered Species**

- The product is listed in the Appendice to the CITES convention.
- The product is exempt from CITES requirements.

**12. Supplier Guarantee**

The information contained herein is to the best of our knowledge reliable at the below-mentioned date. It has been compiled from the currently existing information in our files received from our suppliers and/or the data obtained from the analysis made in our laboratory. It is provided for your guidance only. It is the ultimate responsibility of our customers to ensure the suitability of the product for their particular purpose by further testing if need be. This document cancels and replaces all previously issued documents for this product.

Version 4                      Revised    13/06/16

## **G.M.O. CERTIFICATE**

Product : BENZOPHENONE CRYST.

To our knowledge from the currently existing information in our files received from our suppliers, we certify that the above-mentioned product

- does not contain,
- does not consist of,
- is not derived from, and
- is not produced with the aid of

genetically modified organisms (GMO) or derivative ingredients. Therefore, it is exempt from the requirements of the EU Regulations 1829/2003/EC and 1830/2003/EC.

This document is electronically generated and therefore it is not signed





## IFRA CONFORMITY CERTIFICATE

To our knowledge from the currently existing information in our files received from our suppliers and/or the data obtained from the analysis made in our laboratory, we certify that the following product:

### BENZOPHENONE CRYST

is not restricted by the Standards of the International Fragrance Association (IFRA 48th Amendment / published June 2015), provided it is used at the following maximum concentration levels in the finished product<sup>(1)</sup>:

Class 1	Not restricted <sup>(2)</sup>	Class 6	Not restricted <sup>(2)</sup>
Class 2	Not restricted	Class 7A	Not restricted
Class 3A	Not restricted	Class 7B	Not restricted
Class 3B	Not restricted	Class 8A	Not restricted
Class 3C	Not restricted	Class 8B	Not restricted
Class 3D	Not restricted	Class 9A	Not restricted
Class 4A	Not restricted	Class 9B	Not restricted
Class 4B	Not restricted	Class 9C	Not restricted
Class 4C	Not restricted	Class 10A	Not restricted
Class 4D	Not restricted	Class 10B	Not restricted
Class 5	Not restricted	Class 11	Not restricted

<sup>(1)</sup> the concentration of a fragrance ingredient should not exceed the usual concentration of the fragrance compound in the finished product.

<sup>(2)</sup> IFRA would recommend that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings in the countries of planned distribution and, where these are lacking, with the recommendations laid down in the Code of Practice of IOFI (International Organisation of the Flavour Industry).

Please note this certificate does not include food status conformity check. A separate document, which may be available depending on the product, is needed for such purpose.

Contains no substances restricted by IFRA standards and bears no IFRA specification.

It may contain the following substance, for which a prohibition standard exists:

**BENZENE**

< 0,0001%

Note: the level of benzene has to be kept as low as practicable and should never exceed 1 ppm in the fragrance compound

The IFRA Standards regarding use restrictions are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM) and are enforced by the IFRA Scientific Committee.

It is the ultimate responsibility of our customer to ensure the safety of the final product (containing this fragrance ingredient) by further testing if need be.

**SAFETY DATA SHEET**  
**Conforms to Regulation (EC) No. 1907/2006 (REACH)**

**BENZOPHENONE CRYST.**

Revision date: 05-08-2016

Version: 3.0/CLP/EN

**SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING**

**1.1. Identification of the substance/mixture**

**Trade name:** BENZOPHENONE CRYST.  
**Substance name:** BENZOPHENONE  
**CAS Number:** 119-61-9  
**CE Number:** 204-337-6  
**REACH Registration number:** 01-2119488052-40

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

Raw material for the manufacture of fragrances and/or flavourings.

**1.3. Details of the supplier of the safety data sheet**

**Company:** Madar Corporation Limited  
**Address:** 19 - 20 Sandleheath Industrial Estate, Fordingbridge, SP6 1PA

**Telephone:** 01425 655 555

**E-mail:** technical@madarcorporation.co.uk

**1.4. Emergency telephone number**

01425 655 555

**SECTION 2. HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

Specific target organ toxicity following repeated exposure - Category 2 - H373  
Hazardous to the aquatic environment, long-term (chronic) - Category 2 - H411

**2.2. Label Elements**

**Hazard pictograms:**



**Signal Word:**

Warning

**Hazard statements:**

H373 – May cause damage to organs through prolonged or repeated exposure.  
H411 – Toxic to aquatic life with long lasting effects.

**Precautionary statements:**

P260 – Do not breathe dust/fume/gas/mist/vapours/spray.  
P273 – Avoid release to the environment.  
P314 – Get medical advice/attention if you feel unwell.  
P391 – Collect spillage.  
P501 – Dispose of contents/container according to local legislation.

**2.3. Other hazards**

No Information available

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1. Substances**

**Chemical name:** BENZOPHENONE  
**CAS number:** 119-61-9  
**EC number:** 204-337-6

**SAFETY DATA SHEET**  
**Conforms to Regulation (EC) No. 1907/2006 (REACH)**

**BENZOPHENONE CRYST.**

Revision date: 05-08-2016

Version: 3.0/CLP/EN

**Hazardous constituents:**

<b>Chemical Name</b>	<b>% (w/w)</b>	<b>CAS No EC No</b>	<b>Classification according to Regulation 1272/2008</b>
BENZOPHENONE	≥50	119-61-9 204-337-6	STOT RE 2 - H373 Aquatic Chronic 2 - H411

See the full text of the hazard statements in section 16.

**3.2. Mixtures**

Not applicable.

**SECTION 4. FIRST-AID MEASURES**

**4.1. Description of necessary first aid measures**

Ingestion:	Rinse mouth with water. Obtain medical advice. Keep at rest. Do not induce vomiting.
Eye contact:	In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical advice.
Inhalation:	Remove person to fresh air and keep at rest. Seek immediate medical advice.
Skin contact:	Take off immediately all contaminated clothing. Thoroughly wash affected skin with soap and water. Seek medical attention if symptoms persist.

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

No information available.

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

No information available.

**SECTION 5. FIRE-FIGHTING MEASURES**

**5.1. Extinguishing Media**

Water spray, carbon dioxide, dry chemical powder or appropriate foam.  
For safety reasons do not use full water jet.

**5.2. Special hazards arising from the substance or mixture**

Known or Anticipated Hazardous Products of Combustion: Emits toxic fumes under fire conditions.

**5.3. Advice for firefighters**

High temperatures can lead to high pressures inside closed containers.  
Avoid inhalation of vapors that are created. Use appropriate respiratory protection.  
Do not allow spillage of fire to be poured into drains or watercourses.  
Wear self-contained breathing apparatus and protective clothing.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

Evacuate surrounding areas. Ensure adequate ventilation. Keep unnecessary and unprotected personnel from entering.  
Do not breathe vapor/spray. Avoid contact with skin and eyes. Information regarding personal protective measures: see section 8.

**6.2. Environmental precautions**

To avoid possible contamination of the environment, do not discharge into any drains, surface waters or groundwaters.

**6.3. Methods and materials for containment and cleaning up**

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).  
Place in covered containers using non-sparking tools and transport outdoors.  
Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater).  
Ventilate area and wash spill site after material pickup is complete.

**6.4. Reference to other sections**

Information regarding exposure controls, personal protection and disposal considerations can be found in sections 8 and 13.

**SAFETY DATA SHEET**

**Conforms to Regulation (EC) No. 1907/2006 (REACH)**

**BENZOPHENONE CRYST.**

Revision date: 05-08-2016

Version: 3.0/CLP/EN

**SECTION 7. HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Do not store or handle this material near food or drinking water. Do not smoke.  
 Avoid contact with the eyes, skin and clothing. Wear protective clothing and use glasses.  
 Observe the rules of safety and hygiene at work.  
 Keep in the original container or an alternative made from a compatible material.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly closed and preferably full containers in a cool, dry and ventilated area, protected from light.  
 Keep away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges).  
 Keep away from incompatible materials (see section 10).

**7.3. Specific end use(s)**

No information available.

**SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**8.1. Control parameters**

Components with occupational exposure limits:  
 None known.

**8.2. Exposure controls**

Appropriate engineering controls: Measures should be taken to prevent materials from being splashed into the body.  
 Provide adequate ventilation, according to the conditions of use. Use a mechanical exhaust if required.

Eye/Face protection: Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

Hand Protection: Chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

Respiratory Protection: In case of insufficient ventilation, use suitable respiratory equipment.

Environmental exposure controls: Emissions from ventilation or process equipment should be checked to ensure they comply with environmental protection legislation.  
 In some cases, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

Appearance:	Solid
Colour:	Conforms to standard
Odour:	Conforms to standard
Odour threshold:	Not determined
pH:	Not determined
Melting point/freezing point:	47
Boiling point/boiling range:	306
Flash point:	145 °C
Evaporation rate:	Not determined
Flammability:	Not determined
Lower flammability/Explosive limit:	Not determined
Upper flammability/Explosive limit:	Not determined
Vapour pressure:	< 0,1 mbar to 20°C
Vapour Density:	Not determined
Density:	Not determined
Relative density:	Not determined
Water solubility:	INSOLUBLE IN WATER
Solubility in other solvents:	SOLUBLE IN ETHANOL
Partition coefficient n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity, dynamic:	Not determined
Viscosity, kinematic:	Not determined
Explosive properties:	Not determined
Oxidising properties:	Not determined

**SAFETY DATA SHEET**  
**Conforms to Regulation (EC) No. 1907/2006 (REACH)**

**BENZOPHENONE CRYST.**

Revision date: 05-08-2016

Version: 3.0/CLP/EN

**9.2. Additional information**

No information available.

**SECTION 10. STABILITY AND REACTIVITY**

**10.1. Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated.

**10.2. Chemical stability**

The product is stable if stored and handled as prescribed/indicated.

**10.3. Possibility of hazardous reactions**

No hazardous reactions if stored and handled as prescribed/indicated.

**10.4. Conditions to Avoid**

Conditions to Avoid: Excessive heat, flame or other ignition sources.

**10.5. Incompatible materials**

Avoid contact with strong acids and bases and oxidizing agents.

**10.6. Hazardous decomposition products**

During combustion may form carbon monoxide and unidentified organic compounds.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

<b>Acute toxicity</b>	Based on the data available, the criteria for classification are not met.
<b>Skin corrosion/irritation</b>	Based on the data available, the criteria for classification are not met.
<b>Serious eye damage/irritation</b>	Based on the data available, the criteria for classification are not met.
<b>Respiratory or skin sensitisation</b>	Based on the data available, the criteria for classification are not met.
<b>Germ cell mutagenicity</b>	Based on the data available, the criteria for classification are not met.
<b>Carcinogenicity</b>	Based on the data available, the criteria for classification are not met.
<b>Reproductive toxicity</b>	Based on the data available, the criteria for classification are not met.
<b>STOT-single exposure</b>	Based on the data available, the criteria for classification are not met.
<b>STOT-repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure.
<b>Aspiration hazard</b>	Based on the data available, the criteria for classification are not met.

**SECTION 12. ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**Assessment:**

Toxic to aquatic life with long lasting effects.

**Experimental/calculated data:**

No information available.

**12.2. Degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

**12.4. Soil mobility**

No information available.

**12.5. Results of PBT and vPvB assessment**

No information available.

**12.6. Other adverse effects**

See also sections 6, 7, 13 and 15

Do not allow to get into waste water or waterways.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Dispose of in accordance with national and local environmental regulations.

**SAFETY DATA SHEET**

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

**BENZOPHENONE CRYST.**

Revision date: 05-08-2016

Version: 3.0/CLP/EN

**SECTION 14: TRANSPORT INFORMATION**

	<b>ADR/RID/ADN</b>	<b>IMDG</b>	<b>IATA-ICAO</b>
<b>14.1. UN Number</b>	UN3077	UN3077	UN3077
<b>14.2. UN Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (BENZOPHENONE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (BENZOPHENONE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (BENZOPHENONE)
<b>14.3. Transport Hazard Class(es)</b>	9	9	9
<b>14.4. Packing Group</b>	III	III	III
<b>14.5. Environmental hazards</b>	Yes	Yes	Yes

**Additional information****14.6 Special precautions for user**

None known

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

No information available

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

No information available

**15.2. Chemical safety assessment**

No information available

**SECTION 16: OTHER INFORMATION****Full text of the R-phrases, hazard statements and precautionary statements mentioned in section 3:**

H373 – May cause damage to organs through prolonged or repeated exposure.

H411 – Toxic to aquatic life with long lasting effects.

The information included in this safety data sheet is based on the available data at the moment this document is issued. It is meant to be a description of safety requirements for our product and does not stand for a guarantee of its properties. The user is responsible for taking all necessary steps leading to compliance with local rules and legislation.

## SPECIFICATION SHEET

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**VERSION** 4,00    **VERSION DATE** 05/12/06    **PRINT DATE** 07/04/21

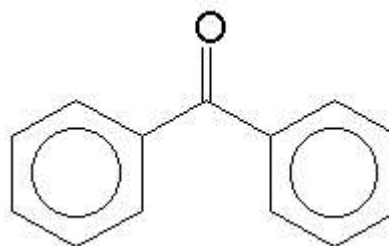
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**PRODUCT** BENZOPHENONE CRYST.  
**APPLICATIONS** Raw material for industrial use intended for the manufacture of flavours and/or fragrances.  
**IUPAC NAME** METHANONE, DIPHENYL-  
**SYNONYMS** DIFENIL METANONA/BENZOYLBENZENE/PHENYLKETONE

**FORMULA** C13 H10 O  
**MOLECULAR WEIGHT** 182,00  
**CAS** 119-61-9

**EINECS** 204-337-6

**FEMA** 2134  
**TARIFF NUMBER** 2914390030



**REACH REGISTRATION NO.** 01-2119488052-40

### SPECIFICATIONS

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<b>ASPECT AT 20° C</b>	CRYSTALLINE SOLID (POWDER)
<b>COLOUR</b>	WHITE TO PALE YELLOW
<b>ODOUR</b>	SWEET, ROSY, SLIGHTLY HERBAL
<b>TASTE</b>	SLIGHTLY CITRIC, FRUITY
<b>DENSITY A 20° C (g / ml)</b>	-
<b>DENSITY 25/25</b>	-
<b>REFRACTIVE INDEX nD20</b>	-
<b>REFRACTIVE INDEX nD25</b>	-
<b>OPTICAL ROTATION (°)</b>	/
<b>BOILING POINT (°C)</b>	306
<b>MELTING POINT (°C)</b>	47
<b>FLASH POINT (°C)</b>	145,00
<b>ASSAY (% GC)</b>	> 99,5
<b>ACID VALUE (mg KOH/g)</b>	-
<b>SOLUBILITY</b>	INSOLUBLE IN WATER
<b>VAPOUR PRESSURE</b>	< 0,1 mbar to 20°C
<b>OTHER SOLUBILITIES</b>	SOLUBLE IN ETHANOL

### OTHER TECHNICAL DATA

### STABILITY AND STORAGE

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KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 24 MONTHS, QUALITY SHOULD BE CHECKED BEFORE USE.

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WE BELIEVE THE ABOVE INFORMATION TO BE CORRECT BUT WE DO NOT PRESENT IT AS ALL INCLUSIVE AND AS SUCH SHOULD BE USED AS A GUIDE. IT IS THE SOLE RESPONSIBILITY OF THE RECEIVER OF OUR PRODUCT TO COMPLY WITH EXISTING REGULATIONS AND INSTRUCTIONS.

THIS PRODUCT HAS NOT BEEN FILTERED DUE TO TECHNOLOGICAL REASONS. WE RECOMMEND NOT TO USE IT UNLESS FILTERED WHEN USED AS A RAW MATERIAL IN FOOD INTENDED FOR FINAL CONSUMERS.