

Safety data sheet

According to regulation (EG) Nr. 1907/2006 (REACH), including the Amendment Regulation (EU) 2020/878
Print date: 10.11.2023

Revised on:10.11.2023

1. Identification of the substance/preparation and of the company/undertaking

1.1 Product information

Product name: semaSORB® UV2090
Article number: 6802
Registration number(REACH) No information available
EG-number:
CAS-number: 131-55-5

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

Identified uses UV-Absorber

1.3 Details of the supplier providing the safety data sheet

se ma Gesellschaft für Innovationen mbH
Industriestraße 12
D-06869 Coswig (Anh.)
Germany
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Telefax:
E-Mail:
Web:

+49(0) 34903 30464
+49(0) 34903 30465
info@sema-gmbh.com
www.sema-gmbh.com

E-Mail (competent person) info@sema-gmbh.com

1.4 Emergency number

Emergency phone no. 0361-730730 (Poison control centre Erfurt , Germany)
+49 361-730730 (Poison emergency call from abroad)

2. Possible dangers

2.1 Classification of the substance or mixture

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

Classification according to GHS

Notes

Full text of hazard statements and EU hazard statements in section 16.

The main adverse physico-chemical effects, effects on human health and the environment

2.2. Labelling elements

Labelling according to Regulation (EC) No:1272/2008 (CLP)

Signal word

Attention

Pictograms



GHS07

Hazard warnings

H302 Harmful if swallowed
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May irritate the respiratory tract

Safety instructions

Safety instructions _ Prevention

P261 Avoid inhalation of dust/fume/gas/mist/vapour/aerosol.
P264 Wash thoroughly after handling
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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Safety instructions _ Reactions

P302 + P352

P304 + P340

P305 + P351 + P338

P312

P321

P332 + P313

P362 + P364

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove the person to fresh air and ensure unobstructed breathing.

IF IN EYES: Rinse cautiously with water for several minutes .for a few minutes. Remove any contact lenses if possible. Continue to rinse.

Call a POISON CENTER or doctor if you feel unwell.

Specific treatment (see on this label).

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Storage

P403 + P233

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

Disposal

P501

Dispose of contents/ container in accordance with local/ regional/ national/ international regulations .

Labelling of packages

Signal word :

Hazard symbol(s)



Attention

H302

H315

H319

H335

P261

P264

P271

P280

Harmful if swallowed

Causes skin irritation

Causes serious eye irritation

May irritate the respiratory tract

Avoid inhalation of dust/fume/gas/mist/vapour/aerosol

Wash thoroughly after handling.

Use only outdoors or in well-ventilated rooms.

Wear protective gloves/protective clothing/eye protection/face protection

3. Composition/information on components

Chemical characterization :

2,2 4,4 Tetrahydroxybenzophenone

Formula:

C₁₃H₁₀O₅

Molar mass:

246,00 g/mol

Designation (CAS-Nr.)

131-55-5

Identification number

EINECS number:

REACH-No.:

Registration for this substance is not foreseen because the substance or its use is exempted from registration, the annual tonnage does not require registration or registration is foreseen for a later date.

4. First aid measures

4.1 Description of the first aid measures



After inhalation:

Supply of fresh air, breathing if necessary, heat. Consult a doctor if symptoms persist. Seek medical advice immediately.

After skin contact:

Wash off immediately with soap and water and rinse thoroughly. Seek medical advice immediately.

After eye contact:

Rinse opened eye for several minutes under running water and consult a doctor.

After ingestion:

Seek immediate medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indications for immediate medical help or special treatment

No data available

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5. Fire fighting measures

5.1 Extinguishing agent

Geeignete Löschmittel:

Use carbon dioxide extinguishers in the form of powder or foam.

5.2 Special hazards caused by the substance, its products of combustion or resulting gases

Hazardous combustion products

In the event of a fire, the following can be released: Carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Special protective equipment:

Wear self-contained breathing apparatus. Wear full protective suit.

6. Accidental release measures

6.1 Personal precautions:

Wear protective equipment. Keep unprotected persons away. Provide adequate air.

6.2 Environmental protection measures:

The use of a substance in the environment without the prior and proper permission of the authorities is prohibited.

6.3 Methods and material for retention and cleaning

Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation.

To be observed:

TRGS 201 Labelling of waste during handling

6.4 Reference to other sections

For information on safe handling, see chapter 7.

For information on personal protective equipment, see chapter 8.

For information on disposal, see chapter 13.

7. Handling and storage

7.1 Protective measures for safe handling

Keep containers tightly closed.

Store in a cool, dry place in tightly closed containers.

Ensure good ventilation/exhaustion at the workplace.

Notes on fire and explosion protection

No information known.

7.2 Conditions for safe storage taking into account incompatibilities.

Requirements for storage rooms and containers

No special requirements.

Information on storage in one place

Store in an airtight place.

Store away from oxidising agents.

Store away from strong bases.

7.3 Specific end uses

No data available

8. Exposure controls/personal protective equipment

Additional notes on the design of technical installations

Properly working fume cupboard designed for hazardous chemicals and having an average extraction speed of at least 30m/min.

Components with limit values that require monitoring at the workplace

Not applicable

Additional hints

No data

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8. 1Limitation and monitoring of exposure

Individual protective measures (personal protective equipment)



Respiratory protection:

Respiratory protection at high concentrations .

Eye protection:

Safety goggles, face shield.

Body protection:

Protective clothing.

Observe the usual precautionary measures when handling chemicals. Keep away from food, drink and animal feed. Remove contaminated, soaked clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

9. Physical and chemical properties

9.1 Information on the basic physical and chemical properties

General information

Appearance:	powder
Colour:	yellow
Odour:	Characteristic
Change of state	
Melting point/melting range:	196°C-202°C
Boiling point/boiling range:	not determined
Sublimation temperature/start	not determined
Flash point:	> 350°C
Ignition temperature:	> 450°C
Decomposition temperature:	not determined
Explosion hazard:	The product is not explosive.
Explosion limits:	
Lower:	not determined
Upper:	not determined
Vapour pressure:	not determined
Bulk density:	ca1200 g/l
Solubility in / Miscibility with:	
Water at 20°C	Not soluble

9.2 Other information No data available

10. Stability and reactivity

10.1 Thermal decomposition/ conditions to be avoided:

No decomposition if stored and handled as intended.

10. 2 Substances to avoid

Oxidising agents, bases

10. 3 Dangerous reactions

No dangerous reactions known.

10.4 Hazardous decomposition products

Hazardous combustion products see section 5

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

Oral not determined

Primary irritant effect:

on the skin: No irritant effect known.

on the eye: No irritant effect known.

Sensitisation: No sensitising effect known.

Other information:

Additional hints:

-
To the best of our current knowledge, the acute and chronic toxicity of this toxicity of this substance is not fully known. No data on the classification of this substance with respect to its carcinogenicity from EPA,IARC,NTP, OSHA or ACGIH available.

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12. Environmental disclosures

General notes:

Water hazard class 1 (Self-assessment): Slightly hazardous to water
Do not allow undiluted product or large quantities of it to reach groundwater, watercourses or into the sewage system. Any release of the substance into the into the environment without prior permission of the authorities.

13. Notes on disposal

Product:

Recommendation:

For proper disposal, please follow state or national regulations. national regulations. Hand over to hazardous waste collector or hazardous waste collection point. Must be given special treatment in accordance with official must be given special treatment in accordance with official regulations.

Uncleaned packaging:

Recommendation

Dispose of in accordance with official regulations.

14. Transport regulations

Land transport ADR/RID und GGVS/GGVE (cross-border/ domestic).

ADR/RID-GGVS/E Class: No

Sea transport IMDG/GGVSee:

IMDG/GGVSee-Class: No

Air Transport I CAO-TI und IATA-DGR:

ICAO/IATA-Class: No

Transport/further information

No dangerous goods according to the above regulations.

15. Information on legal provisions

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

Labelling according to EEC Directives No. 1907/2006

H- Sentences

H302; Harmful if swallowed
H315; Causes skin irritation
H319; Causes serious eye irritation
H335; May irritate the respiratory tract

P- Sentences

P261; Avoid inhalation of dust/fume/gas/mist/vapour/aerosol
P264; Wash thoroughly after handling
P271; Use only outdoors or in well-ventilated rooms
P280; Wear protective gloves/protective clothing/eye protection/face protection

National regulations:

Employment restriction notices:

Observe employment restrictions for young people. Use only by technically qualified persons.

Classification according to the Ordinance (BetrSichV):

-

Water hazard class:

WGK 1 (Self-classification): slightly hazardous for water.

Other regulations, restrictions and Prohibition ordinances:

-

16. Other information

Substance not yet fully tested. Employers should consider this information only as a supplement to their own findings and should decide independently on its applicability so as to ensure the correct use and thus the health and safety of employees. This information does not imply any legal guarantee and any use of the product other than in accordance with this safety data sheet, or use in combination with any other product or process, is the sole responsibility of the user.

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Abbreviations.

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent