



MAXGARD® 1888

SAFETY DATA SHEET

Replaced Version Original
Revision Date 2018-10-24

1. PRODUCT AND COMPANY INFORMATION

Product Name : Disodium-2,2'-dihydroxy-4,4'-dimethoxy-5,5'-disulfobenzophenone
Product Number : MAXGARD® 1888
Brand : MAXGARD®
REACH Status : Pre-registered 2008-09-17
Identified Uses : UV stabilizer; Laboratory chemicals; Manufacture of substances
Company : Lycus Ltd., LLC
181 Cooper Drive
El Dorado, AR 71730-6601
USA

Telephone : +1 870-881-5000
Fax : +1 870-862-9628
Emergency Phone Number : +1 800-424-9300 (CHEMTREC)

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards No known OSHA hazards

GHS Label elements, including precautionary statements

Hazard statement(s)

None

Precautionary statement(s)

None

HMIS Classification

Health Hazard	0	Blue
Flammability	0	Red
Physical Hazards	0	Orange

NFPA 704 Rating

Health Hazard	0	Blue
Fire	0	Red
Reactivity Hazard	0	Yellow

Other Hazards None

3. COMPOSITION/INFORMATION OF INGREDIENTS



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Formula	:	C ₁₅ H ₁₄ O ₁₁ S ₂ Na ₂
Molecular Weight	:	478.36 g/mol.
Synonyms	:	Disodium-2,2'-dihydroxy-4,4'-dimethoxy-5,5'-disulfobenzophenone, Benzenesulfonic acid, 3,3'-carbonylbis(4-hydroxy-6-methoxy-), disodium, 2,2'-Dihydroxy-4,4'-dimethoxybenzophenone-5,5'-disulfonic acid disodium salt, Disodium 3,3'-carbonylbis[4-hydroxy-6-methoxybenzenesulphonate], disodium 4-hydroxy-5-(2-hydroxy-4-methoxy-5-sulfobenzoyl)-2-methoxybenzene-1-sulfonate, Benzophenone-9
CAS-No.	:	76656-36-5
EC-No.	:	278-520-4

No ingredients are hazardous according to OSHA criteria.

No components need to be disclosed according to applicable regulations.

According to the majority of notifications provided by companies to ECHA in CLP notifications no hazards have been classified.

4. FIRST AID MEASURES

General advice

Remove contaminated clothing.

If inhaled

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

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes with eyelids held open.

If swallowed

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

Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions). No known specific antidote.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam or dry chemical. Carbon dioxide is not recommended because it is an asphyxiant.

Hazardous combustion products

Hazardous decomposition products formed under fire conditions. – Carbon oxides, Sulphur oxides, Sodium oxides



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Special protective equipment for fire-fighters

Firefighters should wear self-contained breathing apparatus and turn-out gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid dust formation. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

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.

7. HANDLING AND STORAGE

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventative fire protection.

Conditions for safe storage

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

Hygroscopic. Keep in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

Personal protective equipment

Respiratory protection

Respiratory protection is not required. 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). Ensure respirators conform to 29 CFR 1910.134.

Hand 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.



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

Eye protection

Eye and face protection conforming to 29 CFR 1910.133 or EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin and body protection

Impervious clothing, the type of protective clothing must be selected according to the concentration and amount of dangerous substance at the specific workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	powder
Color	light yellow

Safety data

Odor	odorless
pH	no data available
Melting point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Water solubility	50 g/l
Solubility (qualitative)	soluble; solvent(s): organic solvents
Density	no data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions

Conditions to avoid

Avoid humidity

Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. – Carbon oxides; Sulphur oxides; Sodium oxides

Thermal decomposition

> 260 °C

Corrosion to metals



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No corrosive effect on metal

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral	no data available
Dermal	no data available
Inhalation	no data available

Skin corrosion/irritation

Skin irritation	no data available
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Serious eye damage/eye irritation

Eye irritation	no data available
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Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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

Signs and Symptoms of Exposure

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

Additional Information

RTECS	no data available
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12. ECOLOGICAL INFORMATION

Eco toxicity

No data available

Persistence and degradability

No data available

Bio accumulative potential

No data available

Mobility in soil

No data available

PBT and vPvB assessment

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

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Product

Offer surplus and non-recyclable materials to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

RCRA requirements

None

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

TDG (Canada)

Not dangerous goods

ICAO/IATA

Not dangerous goods

ADR/RID

Not dangerous goods



15. REGULATORY INFORMATION

REACH No.

A registration number is not available for this substance as the substance of its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.

OSHA Hazards

No known OSHA hazards

TSCA Inventory

CAS No. 76656-36-5 is listed/approved

SARA 302 Components

SARA 302: No chemicals in this material are subject to the requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312

No SARA Hazards

Massachusetts Right to Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right to Know Components

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Disodium-2,2'-dihydroxy-4,4'-dimethoxy-5,5'-disulfobenzophenone	76656-36-5	

New Jersey Right to Know Components

	CAS No.	Revision Date
Disodium-2,2'-dihydroxy-4,4'-dimethoxy-5,5'-disulfobenzophenone	76656-36-5	

California Prop. 65 Components

This product does not contain any chemical known to the State of California to cause cancer, birth defects, or any other reproductive harm.

DSL Status

CAS No. 76656-36-5 is on the Canadian DSL list

Annex III Inventory

Disodium 3,3'-carbonylbis[4-hydroxy-6-methoxybenzenesulphonate]

EC / List no.: 278-520-4 CAS no.: 76656-36-5

Suspected mutagen: KNN Mutagenicity model in VEGA (Q)SAR platform predicts that the chemical is Mutagen (moderate reliability); SARPY Mutagenicity model in VEGA (Q)SAR platform predicts that the chemical is Mutagen (moderate reliability) # Suspected persistent in the environment: Ready biodegradability model (IRFMN) in VEGA (Q)SAR platform predicts that the chemical is NON Readily Biodegradable (moderate reliability); The Danish QSAR database contains information indicating that the substance is predicted as non-readily biodegradable.



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WHMIS Classification

None

WGK (Water Danger/Protection)

no data available

Regulation (EC) No. 1907/2006

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

16. OTHER INFORMATION

In accordance with good practices of personal cleanliness and hygiene handle with due care and avoid unnecessary contact with this product.

This information is being supplied to you under OSHA "Right to Know / Right to Understand" Regulation 29 CFR 1910.1200 and is offered in good faith as typical values and not as a product specification. The information contained herein is based on the data available to us and is believed to be true and accurate.

No warranty, expressed or implied, regarding the accuracy of this data, the hazards connected with the use of the material, or the results obtained from the use thereof, is made. Lycus Ltd. assumes no responsibility for damage or injury from the use of the product described herein.

Lycus Ltd. certifies this product:

- Does not contain any ingredient of animal origin.
- Does not contain the beverage alcohol and beverage alcohol has not been used in the manufacturing process.

Further information

Copyright 2018 Lycus Ltd. License granted to make unlimited paper copies for internal use only. 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. Lycus Ltd., shall not be held liable for any damage resulting from handling or from contact with the above product.

Data prepared: Original
Date of revision: October 24, 2018