

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)
Classifications according to Regulation (EC) No 1272/2008.
Printdate 28 May 2024

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

1.1. Product name:

beta-Damascenone

1.1. Catalog No.:

689465

1.2. Relevant identified uses of the substance or mixture

Identified: Laboratory chemical
uses: R&D

1.3. Uses advised against:

HPC Standards GmbH
Am Wieseneck 7

04451 Cunnersdorf
Deutschland

Tel. +49 34291 3372-36
Fax. +49 34291 3372-39
contact@hpc-standards.com

1.4. Emergency telephone number

HPC Standards Tel. +49 34291 3372-36
This number is only available during office hours.

2. HAZARDS IDENTIFICATION

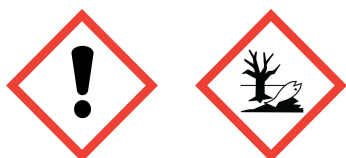
Health Hazards
Skin corrosion/irritation (Category 2)
sensitisation (Category 1B)

Environmental Hazards
Chronic aquatic toxicity (Category 2)

Physical Hazards
not classified

2.2. Label elements

2.2.1. Pictogram



2.2.2.

Signal Word
Warning

Hazard Statement

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statement

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P391 Collect spillage.

P501 Dispose of contents / container in accordance with local / regional / national / international regulations.

Additional Information

Caution! To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance related information

Substance name beta-Damascenone

CAS 23726-93-4

Formula C13H18O

3.1.1. Formula

C13H18O

3.1.2. Molecular Weight (g/mol)

190.28

3.1.3. CAS-No.

23726-93-4

4. FIRST AID MEASURES

First Aid: Eye

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

First Aid: Skin

Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

First Aid: Ingestion

Wash out mouth with water provided person is conscious. Call a physician.

First Aid: Inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

Hints for Physician: Treatment

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable

foam, dry extinguishing powder, carbon dioxide (CO₂), water spray jet

Hazards During Fire-Fighting

toxic fumes

Protective Equipment for Fire-Fighting

Wear a self-contained breathing apparatus and chemical protective clothing.

Fire-Fighting/Further Advice

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately.

This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

Environmental Precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

Methods for Cleaning or Taking Up

not available

Further Accidental Release Measures

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

7. HANDLING AND STORAGE

Handling

Handling advice

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

Storage

Storage temperature

store at 2°C - 8°C

Storage condition

close container well

Storage Requirements

Keep container tightly closed in an upright position to prevent leakage. Keep away from incompatible substances. Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controles

Industrial Hygiene

Mechanical exhaust required. Safety shower and eye shower.

Personal Protective Equipment

Respiratory Protection

Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

Hand Protection

Wear compatible chemical-resistant gloves to prevent skin exposure.

Eye Protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

Body Protection

Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

Advice on Safe Handling

Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color

yellow

Form

clear liquid

Molar Mass

190.28 g/mol

Density

0.926 g/cm³

10. STABILITY AND REACTIVITY

Conditions to Avoid

incompatible materials

Substances to Avoid

strong oxidizers

Decomposition Products

carbon dioxide (CO₂), carbon monoxide

11. TOXICOLOGICAL INFORMATION

Other Relevant Toxicity Information
We are not aware of any toxicology data.

12. ECOLOGICAL INFORMATION

Additional Ecotoxicological Remarks
Memo
Toxic to aquatic life.
Biodegradation
no data available
Bioaccumulation
no data available
Distribution in Environment
no data available

13. DISPOSAL CONSIDERATIONS

Advice on Disposal and Packaging
Advice on Disposal
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and Exhaust air. Dispose of waste according to laws applicable.
Advice on Packaging
not available

14. TRANSPORT INFORMATION

Road Transport (ADR/GGVS)
UN No. 3082
Class(es) 9
Packaging group III
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s.(beta-Damascenone)

Air Transport (IATA)
UN No. 3082
Class(es) 9
Packaging group III
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s.(beta-Damascenone)

15. REGULATORY INFORMATION

Other Regulations
Regulatory List
EINECS, IECSC, TCSI, TSCA, PICCS

16. OTHER INFORMATION

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. For lab use only!