

MATERIAL SAFETY DATA SHEET

PRODUCT – BETA DAMASCONE

1. Chemical Product and Company Identification

Product Identifiers:

Product Name: BETA DAMASCONE

Product Code:

MSDS No:

Synonyms: Rose dihydroketone, trans-Rose ketone-2 **CAS No.:** 23726-91-2

Molecular Weight: 192.3 g/mol

Chemical Formula: C₁₃H₂₀O

EC number: 245-842-1

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

Identified uses : Concentrated aromatic and flavor ingredient which may be used in flavor and fragrance compounds according to legal and IFRA or FEMA GRAS/FDA guidelines.

Details of the supplier of the safety data sheet:

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South,

Karnataka - 560102, India.

Email: sales@scimplify.com

Website: www.scimplify.com

2. Hazards Identification

Classification of the substance or mixture:

H315 Skin Irrit. 2

H317 May cause an allergic skin reaction

H411 Toxic to aquatic life with long lasting effects.

Label Elements:

Signal Word Warning



H315 Causes skin irritation.

H317 Causes allergic skin reaction.

H411 Toxic to aquatic life

Precautionary Phrases:

P264 Wash hands thoroughly after handling.

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

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

Other hazards: No data available

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3. Composition and Information on Ingredients

Product Name : Beta Damascone

Synonyms : Rose dihydroketone, trans-Rose ketone-2 **CAS No. :** 23726-91-2

Molecular Weight : 192.3 g/mol

Chemical Formula : C₁₃H₂₀O

EC number : 245-842-1

4. First Aid Measures

Description of first aid measures

General advice :

If inhaled: Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.

In case of skin contact: Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician immediately.

Most important symptoms and effects, both acute and delayed

No data available.

5. Fire and Explosion Data

Extinguishing media

Suitable extinguishing media: Use dry chemical, carbon dioxide, or alcohol-resistant foam

Special hazards arise from the substance or mixture: No data available

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

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6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing mist, gas or vapours. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

7. Handling and Storage

Precautions for safe handling

Handling in a well-ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

Conditions for safe storage, including any incompatibilities.

Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

Training Hints:

Make sure that workers are aware of the danger and risk according to this safety data sheet.

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8. Exposure Controls/Personal Protection

Control parameters:

Occupational Exposure limit values

No data available

Exposure controls.

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

Appropriate engineering controls

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

Skin protection

Wear fire/flammable resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Impervious clothing, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and number of dangerous substances at the specific workplace.

Respiratory protection

If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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9. Physical and Chemical Properties

- a) Information on basic physical and chemical properties
- b) Appearance: Pale yellow liquid
- c) Physical state: Liquid
- d) Form:
- e) Odor : Fruity, Floral, Plum, Rose, Honey
- f) pH : No data available.
- g) Melting point/freezing point: NA
- h) Boiling point: 138°C (280°F)
- i) Flash point: >100 °C
- j) Upper/lower flammability or explosive limits
- k) Flammability limit – lower: No data available. (%)
- l) Flammability limit – upper: No data available. (%)
- m) Explosive limit - lower (%): No data available.
- n) Explosive limit - upper (%): No data available.
- o) Vapor pressure: 3Pa @ 25.00 °C
- p) Solubility (water): 188mg/L @ 20.00 °C
- q) Auto-ignition temperature: 265 °C. Atm. press.: 992 - 998.4 hPa.
- r) Decomposition temperature: No data available
- s) Viscosity: No data available
- t) Molecular formula : $C_{13}H_{20}O$
- u) Molecular weight : 192.3 g/mol
- v) Specific gravity : 0.930-0.948 at 25°C
- w) Refractive Index : 1.496-1.500 at 20°C

10. Stability and Reactivity

Reactivity

No data available

Chemical stability

No data available

Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use

Conditions to avoid.

Avoid temperatures exceeding the flash point.

Incompatible materials

Strong Oxidizing agents

Hazardous decomposition products

No hazardous decomposition products if stored and handled as indicated.

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11. Toxicological Information

Acute toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion/ irritation: No data available

12. Ecological information

Acute aquatic toxicity:

Toxicity to fish: LC50 - Danio rerio (previous name: Brachydanio rerio) - 1.09 mg/L - 96 h.

Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia sp. - 9 mg/L - 48 h.

Toxicity to algae: EC50 - algae spp. - 8.3 mg/L - 72 h.

Toxicity to microorganisms: EC50 - activated sludge - 275 mg/L - 3 h. Remarks: Respiration rate.

Persistence and degradability: No data available.

Bio concentration Factor: No data available.

Mobility in soil: No data available.

Results of PBT and vPvB assessment: Not determined.

Other adverse effects: No data available

13. Disposal considerations

Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

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Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

This material and its products container must be disposed of in a safe manner (see Disposal instructions).

14. Transport information

UN number

ADR/RID: 3082

IMDG: 3082

IATA: 3082

UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(BETA-DAMASCONE)

Transport hazard class(es)

ADR/RID: 9

IMDG: 9

IATA: 9

Packaging group

ADR/RID: III

IMDG: III

IATA: III

Environmental hazards

ADR/RID: Yes

IMDG: Yes

IATA: Yes

Special precautions for user

No data available

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15.Regulatory information

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

European Inventory of Existing Commercial Chemical Substances (EINECS)

Listed.

EC Inventory

Listed.

United States Toxic Substances Control Act (TSCA) Inventory

Listed.

China Catalog of Hazardous chemicals 2015

Not Listed.

New Zealand Inventory of Chemicals (NZIoC)

Not Listed.

PICCS

Listed.

Vietnam National Chemical Inventory

Listed.

IECSC

Listed.

Korea Existing Chemicals List (KECL)

Listed.

16.Other information

Scimplify cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage, and disposal of the product, and to assume liability for loss, injury, damage, or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. The above information relates only to this product and not to its use in combination with any other material or any process and is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal, and should not be considered as a guarantee or quality specification. The above information is based on data provided by and collected from recognized sources such as distributors, manufacturers, and technical groups and is accurate to the best of Scimplify knowledge as of the date of this document. It is the responsibility of the user to review all safety information about this product and determine its safety and suitability in their own processes and operations. Appropriate warnings and safe handling procedures

should be provided to all handlers and users, considering the intended use and the specific conditions and factors relating to such use in accordance with all applicable laws and regulations.