

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: info@scimplify.com

Website: www.scimplify.com

MATERIAL SAFETY DATA SHEET

PRODUCT – MUGUET CARBINOL

1. Chemical Product and Company Identification

Product Identifiers:

Product Name : Muguet Carbinol

Product Code : SCIF013

MSDS No : FP/MSDS/PC/15

Synonyms : Benzenepropanol, α,α -dimethyl-benzyl-tert-butanol **CAS No. :** 103-05-9

Molecular Weight : 164.24 g/mol

Chemical Formula : $C_{11}H_{16}O$

EC number : 203-074-4

Recommended use : Concentrated aromatic and flavor ingredients which may be used in flavor and fragrance compounds.

1.2 Details of the supplier of the safety data sheet:

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2. Hazards Identification

2.1 Classification of the substance or mixture

No data available.

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2.2 Label elements

Pictogram: N/A

Signal word: N/A

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

3. Composition and Information on Ingredients

Product Identifiers:

Product Name : Muguet Carbinol

Synonyms : Benzenepropanol, α,α -dimethyl-benzyl-tert-butanol **CAS No. :** 103-05-9

Molecular Weight : 164.24 g/mol

Chemical Formula : C₁₁H₁₆O

EC number : 203-074-4

4. First Aid Measures

Description of first aid measures

General advice : Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data

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sheet to the doctor in attendance.

If inhaled : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact : Wash off with soap and plenty of water. Consult a physician. **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.

Most important : The most important known symptoms and effects are. **symptoms/effects, acute** described in the labelling (see section 2) and/or in **and delayed** section 11.

5. Fire and Explosion Data

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide **Special hazards arise from the substance or mixture:** Carbon oxides.

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

Further information: Use water spray to cool unopened containers.

6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

For personal protection see section 8.

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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.

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

Reference to other sections

For disposal see section 13.

7. Handling and Storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. For precautions see section 2.

Conditions for safe storage, including any incompatibilities.

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

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Store under inert gas. Air and light sensitive.

Storage class (TRGS 510): Flammable liquids

Specific end use(s)

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Apart from the uses mentioned in section 1. No other specific uses are stipulated.

Training Hints:

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

8. Exposure Controls/Personal Protection

Control parameters

Exposure controls.

Appropriate engineering controls

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

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin 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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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

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to engine protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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.

9. Physical and Chemical Properties

- a) Appearance : Colorless clear liquid (est)
- b) Odour : Clean, Fresh, Green, Rose de boisde
- c) Molecular formula : $C_{11}H_{16}O$
- d) Molecular Weight : 164.24 g/mol
- e) Melting point : 25-27°C
- f) Boiling point : 144.00 °C. @ 85.00 mm Hg
- g) Freezing point : No data available
- h) pH : No data available
- i) Solubility in water : Immiscible
- j) Evaporation rate- : No data available
- k) Part. Coeff. (n-octanol/water) : No data available
- l) Flash point : 127.22 °C (2 61.0 0 °F)
- m) Upper flame limits : No data available
- n) Lower flame limits : No data available
- o) Vapor pressure- : No data available.

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- p) VOC Content (lbs/gal) : No data available
- q) Viscosity : No data available
- r) Auto ignition Temp. : No data available
- s) Specific gravity at 25°C : 0.9570 – 0.9620
- t) Refractive index at 25°C : 1.5035 – 1.5135

10. Stability and Reactivity

Reactivity: - The product is stable and non-reactive under ambient conditions of use, storage, and transport.

Chemical stability: Material is stable under Ambient conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid.: - Avoid heat, sparks, open flames, and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

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

LD50 Dermal - Rabbit - 3,500 mg/kg(2-Methyl-4-phenylbutan-2-ol)

Skin corrosion/irritation

No data available(2-Methyl-4-phenylbutan-2-ol)

Serious eye damage/eye irritation No data available(2-Methyl-4-phenylbutan-2-ol)

Respiratory or skin sensitisation No data available(2-Methyl-4-phenylbutan-2-ol)

Germ cell mutagenicity

No data available(2-Methyl-4-phenylbutan-2-ol)

Carcinogenicity IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity No data available(2-Methyl-4-phenylbutan-2-ol)

Specific target organ toxicity - single exposure

No data available(2-Methyl-4-phenylbutan-2-ol)

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard No data available(2-Methyl-4-phenylbutan-2-ol)

12. Ecological information

Toxicity

Toxicity to fish LC50 - Peepholes primulas (fathead minnow) - 66.4 mg/l - 96

h(2-Methyl-4-phenylbutan-2-ol) Persistence and degradability

No data available

Bio accumulative potential

No data available

Mobility in soil

No data available(2-Methyl-4-phenylbutan-2-ol)

Results of PBT and pub assessment PBT/pub assessment not available as chemical safety assessment not required/not conducted.

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Other adverse effects Harmful to aquatic life.

No data available

13. Disposal considerations

Disposal instructions: Do not discharge drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemicals or used containers. Dispose of

Local disposal regulations: Dispose in accordance with all applicable regulations.

Hazardous waste code: Not established.

Waste from residues / unused products:

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal instructions).

Contaminated packaging:

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

UN number

UN proper shipping name

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ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Packaging group

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Environmental hazards

ADR/RID: No

IMDG: No

IATA: No

Special precautions for user

No data available

15.Regulatory information

Volatile organic compounds

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Remarks: Not applicable

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REGULATION (EU) No 528/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
of 22 May 2012 concerning the making available on the market and use of biocidal products.

REGULATION (EC) No 273/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
of 11 February 2004 on drug precursors

REGULATION (EU) No 98/2013 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 15 January 2013 on
the marketing and use of explosives precursors

Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

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 on 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 Mehk's 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.