

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 – ISO AMYL ALCOHOL

1. Chemical Product and Company

Identification

Product Identifiers:

Product Name : ISO AMYL ALCOHOL

Product Code : SCIF009

Synonyms : 3-METHYLBUTAN-1-OL; ISOPENTANOL; FUSEL OIL; 3-METHYLBUTANOL; FEMA2057; METHYL-BUTANOL **CAS No. :** 123-51-3

Molecular Weight : 88.15 g/mol

Chemical Formula : C₅H₁₂O

EC number : 204-633-5

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

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.

2.2 Label elements

Pictogram: N/A

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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 Name : Isoamyl Alcohol

MSDS Number :

Chemical name :

4. First Aid

Product Number : 9071

CAS Number : 123-51-3 FP/MSDS/PC/24 Isoamyl

EC Number : 204-633-5 alcohol

FEMA Number : 2057

Measures

Description of necessary measures:

Inhalation Exposure: If inhaled, move to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Consult a physician.

Skin Exposure: In case of contact, immediately wash skin with soap and copious amounts of water. Consult a physician.

Eye Exposure: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes as a precaution.

Oral Exposure: If swallowed; do not induce vomiting. Wash out mouth with water provided person is conscious. Call a physician.

Most important symptoms/effects, acute and delayed: If you feel unwell, seek medical advice (show the label where possible)

Indication of immediate medical attention and special treatment, if necessary: If the person is unconscious immediately call 911. Never give anything by mouth to an unconscious person.

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5. Fire and Explosion Data

Extinguishing media:

Suitable:

For smaller fires use: Foam Carbon Dioxide

Dry Chemical Powder

For Larger fires use: From a distance use very large quantities of misted water (flooding). Unsuitable: Unknown

Specific hazards arising from the chemical: Emits toxic fumes under fire conditions – carbon oxides. Special protective equipment and precautions for fire-fighters: Wear self-contained breathing apparatus and protective clothing to prevent.

contact with skin and eyes.

6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment. Avoid breathing vapours, 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.

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.

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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)

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.

Body Protection

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Impervious clothing, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance 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: : Clear Colorless to pale yellow liquid free from extraneous matter.
- b) Odor: : Fruity
- c) Odor Threshold: : N/A
- d) Molecular Weight : 88.14g/mol
- e) Molecular Formula : C₅H₁₂O
- f) Boiling Point : 131.00 to 133.00 °C. @ 760.00 mm Hg g) Flash Point : 109.4°F43.0°C
- h) Evaporation Rate : No data available.
- i) Flammability (solid, gas) : No data available.
- j) Upper. Lower flammability : No data available.
or explosive limits:
- k) Vapor pressure : 2.370000 mmHg @ 25.00 °C.
- l) Vapor Density : No data available
- m) Specific Gravity 25°C : 0.8070 - 0.8130
- n) Refractive index 25°C : 1.4050-1.4100
- o) Solubility in water : Insoluble

10. Stability and Reactivity

Reactivity : no data available

Chemical Stability : Stable under recommended storage conditions. Possibility of

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hazardous reactions: no data available

Conditions to avoid : no data available.

Incompatible material(s) : Oxidizing agents. Acids and Bases

Hazardous Decomposition Products: no data available.

11.Toxicological Information

Information on the likely routes of exposure:

Inhalation: no data available

Ingestion: no data available

Skin Contact: May cause skin irritation.

Skin Absorption: no data available

Eye Contact: may cause serious eye irritation.

Symptoms related to the physical, chemical, and toxicological characteristics: Basic symptoms include, but are not exclusive, irritation, nausea, unconsciousness (consult specialist or Chemtech).

Delayed and immediate effects and chronic effects from short- and long-term exposure: Consult physician, specialist and/or Chemtrec.

Numerical measures of toxicity (acute estimates): To the best of our knowledge, the toxicological properties are the following:

Oral: rat LD50: >5,000 mg/kg

Dermal: rabbit LD50: >3,000 mg/kg

Inhalation: no data available.

12. Ecological information

Ecotoxicity (aquatic and terrestrial): no data available

Persistence and degradability : no data available

Bioaccumulative potential : no data available

Mobility in soil : no data available

Other adverse effects : no data available

13.Disposal considerations

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Disposal Instructions: Do not discharge into 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 chemical or used container. Dispose of contents/container in accordance with local/regional/national and international regulations.

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 products 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 empty.

14. Transport information

UN number

UN proper shipping name

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

SARA 302 Components

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Not subject to reporting requirements of SARA Title III, section 302.

SARA 313 Components

Not subject to reporting requirements of SARA Title III, section 313.

SARA 311/312 Hazards

TSCA Listed

Massachusetts Right to Know Components

3-Methyl butan-1-ol, natural CAS#: 123-51-3 Revision Date: 4-24-1993

Pennsylvania Right to Know Components

Isoamyl alcohol, natural CAS#: 123-51-3 Revision Date: 4-24-1993

New Jersey Right to Know Components

Isoamyl alcohol, natural CAS#: 123-51-3 Revision Date: 4-24-1993

California Prop. 65 Components

not 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 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.