



SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS) and Regulation (EC) No. 1907/2006 (REACH, as amended)

Isobutavan

SECTION 1: IDENTIFICATION

Product Name: Isobutavan

Chemical Name: (4-Formyl-2-methoxyphenyl) 2-methylpropanoate

Synonym: Vanillin Isobutyrate

CAS Number: 20665-85-4

FEMA Number: 3754

Molecular Formula: C₁₂H₁₄O₄

Molecular Weight: 222.24 g/mol

Product Type: Aroma Chemical / Perfumery Raw Material

Recommended Use: Concentrated aromatic ingredient for fragrance compounds

Restrictions on Use: For professional manufacturing use only

Supplier

Aromology Trading LLC

G05 Al Ghazal Building

Nadd Al Hamar

Dubai, United Arab Emirates

Website: www.aromology.com

Email: info@aromology.com

Telephone: +971 505197601

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification

Hazard Classification	Category	Hazard Statement
Acute Toxicity – Oral	Category 5	H303
Skin Corrosion / Irritation	Category 3	H316

Signal Word: WARNING

Hazard Statements



H303 – May be harmful if swallowed.
H316 – Causes mild skin irritation.

Precautionary Statements

P312 – Call a POISON CENTER or doctor if you feel unwell.
P332 + P313 – If skin irritation occurs: Get medical advice/attention.

Physical Hazards: Not Classified
Environmental Hazards: Not Classified
Hazard Pictograms: None Required

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Concentration
Vanillin Isobutyrate / Isobutavan	20665-85-4	100%

Chemical Name: (4-Formyl-2-methoxyphenyl) 2-methylpropanoate

The source SDS identifies the product as 100% Vanillin Isobutyrate.

SECTION 4: FIRST-AID MEASURES

Exposure Route	First-Aid Measures
Inhalation	Move affected person to fresh air and keep at rest. Obtain medical attention if symptoms develop or persist.
Skin Contact	Remove contaminated clothing. Wash skin thoroughly with soap and water for several minutes. Seek medical attention if irritation persists.
Eye Contact	Remove contact lenses where easy to do and rinse eyes thoroughly with water. Seek medical attention if irritation persists.
Ingestion	Immediately contact a physician or poison control centre. Rinse mouth with water if conscious. Do not induce vomiting.

Most Important Symptom: Mild skin irritation.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water Spray • Fog • CO₂ • Dry Chemical • Alcohol-Resistant Foam

Unsuitable Extinguishing Media
Do not use a solid water stream.



Special Hazards

Fire may produce irritating, corrosive and/or toxic gases.

Static charges may create flash-fire hazards near flammable vapours.

Firefighter Protection

Wear standard protective equipment and self-contained breathing apparatus in enclosed spaces.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions

Keep unnecessary personnel away.

Eliminate ignition sources.

Avoid contact with skin and avoid inhalation of vapours.

Ensure adequate ventilation.

Containment and Cleaning

Stop the leak if safe to do so.

Absorb with:

Dry Clay • Sand • Diatomaceous Earth • Vermiculite • Commercial Absorbents

Prevent entry into drains and groundwater.

Collect absorbed material into suitable containers for disposal.

Do not return spilled material to the original container.

SECTION 7: HANDLING AND STORAGE

7.1 Safe Handling

Keep away from open flames, heat and ignition sources.

Take precautions against static discharge.

Ground equipment where appropriate.

Avoid breathing vapours.

Avoid contact with eyes, skin and clothing.

Wash thoroughly after handling.

7.2 Storage Conditions

Keep the container closed.

Store in a:

Cool • Well-Ventilated Area

Open containers carefully to control any possible pressure release.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: None established.



Protection	Recommendation
Engineering Controls	Explosion-proof ventilation where appropriate
Eye Protection	Safety glasses with side shields / goggles
Hand Protection	Chemical-resistant gloves
Respiratory Protection	Normally not required; use suitable protection if ventilation is insufficient
Thermal Protection	Appropriate protective clothing where necessary

Maintain good industrial hygiene and wash after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification / Typical Value
Physical State	Liquid
Form	Liquid
Colour	Refer to Specification
Odour	Characteristic
Boiling Point	165–166 °C at 2 mmHg
Flash Point – Closed Cup	>93.3 °C (>200 °F)
Vapour Pressure @ 25 °C	0 kPa / 0 mmHg
Vapour Density	7.7
Water Solubility	Insoluble
Flammability Class	Combustible IIIB – Estimated
Molecular Formula	C ₁₂ H ₁₄ O ₄
Molecular Weight	222.24 g/mol
Specific Gravity @ 25 °C	1.14

These values are reported in Section 9 of the source SDS.

SECTION 10: STABILITY AND REACTIVITY

Parameter	Information
Reactivity	Stable and non-reactive under normal conditions
Chemical Stability	Stable under normal conditions
Hazardous Reactions	No dangerous reactions known
Conditions to Avoid	Temperatures above flash point and contact with incompatible materials
Incompatible Materials	Strong oxidising agents
Hazardous Decomposition Products	None expected when stored and handled correctly



SECTION 11: TOXICOLOGICAL INFORMATION

Endpoint	Information
Acute Oral Toxicity	May be harmful if swallowed
Oral LD50 – Rat	4750 mg/kg
Skin Irritation	Causes mild skin irritation
Eye Irritation	May cause temporary / mild irritation
Skin Sensitisation	Not expected to cause sensitisation
Mutagenicity	No data indicating mutagenicity/genotoxicity
Carcinogenicity	Not listed under referenced OSHA carcinogenic classifications
Reproductive Toxicity	Not expected to cause reproductive or developmental effects
STOT – Single Exposure	Not Classified
STOT – Repeated Exposure	Not Classified

SECTION 12: ECOLOGICAL INFORMATION

Environmental Classification: Not Classified as Environmentally Hazardous.

Large or repeated releases may nevertheless cause environmental harm.

Persistence / Degradability: No data available.

Bioaccumulation: No data available.

Mobility in Soil: No data available.

Avoid uncontrolled release into the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Do not discharge into drains, sewers, waterways or soil.

Dispose of product and contaminated packaging in accordance with applicable:

Local • Regional • National • International Regulations

Empty containers may retain product residue and should be handled accordingly.

SECTION 14: TRANSPORT INFORMATION

Transport Mode	Status
ADR	Not Regulated as Dangerous Goods
RID	Not Regulated as Dangerous Goods
ADN	Not Regulated as Dangerous Goods
DOT	Not Regulated as Dangerous Goods
IATA	Not Regulated as Dangerous Goods



Transport Mode	Status
IMDG	Not Regulated as Dangerous Goods

SECTION 15: REGULATORY INFORMATION

The source document reports the material as:

- Not listed under CERCLA hazardous substances.
- Not listed under OSHA specifically regulated substances.
- Not regulated under SARA 304.
- Not regulated under SARA 313.
- Not regulated under the referenced Clean Air Act hazardous-air-pollutant provisions.
- Not listed under California Proposition 65 carcinogen/reproductive-toxicity provisions.

The substance is reported as present on several international chemical inventories, including AICS, DSL, IECSC, EINECS, New Zealand Inventory, PICCS and TSCA.

SECTION 16: OTHER INFORMATION

Full Text of Hazard Statements

H303 – May be harmful if swallowed.
H316 – Causes mild skin irritation.

Authorised by:
Fozia Khot
Director