



SAFETY DATA SHEET (SDS)

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

SECTION 1: Identification

Item	Details
Product Name	Isoamyl Isobutyrate Natural
Alternative Names	Isopentyl Isobutyrate; 3-Methylbutyl Isobutyrate; Isoamyl 2-Methylpropanoate
Chemical Name	Isoamyl Isobutyrate
CAS Number	2050-01-3
EC Number	218-078-1
Molecular Formula	C ₉ H ₁₈ O ₂
Molecular Weight	158.24 g/mol
FEMA Number	3507
Product Type	Natural Aroma Chemical
Recommended Use	Professional perfumery, fragrance compounding and cosmetic manufacture
Uses Advised Against	Internal consumption, vaping, smoking or direct undiluted skin application

Isoamyl Isobutyrate Natural is a naturally derived fruity ester with an intense pear, banana, apple and tropical fruit aroma. It is widely used in fine fragrances, personal care products and flavour applications. The correct CAS number is 2050-01-3 (sometimes incorrectly written as 2050-3-1).

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: HAZARD IDENTIFICATION

Representative GHS Classification



- Flammable Liquid — Category 3

Signal Word

WARNING

Hazard Statements

- H226: Flammable liquid and vapour.

Precautionary Statements

- Keep away from heat, sparks, open flames and hot surfaces.
- No smoking.
- Keep container tightly closed.
- Store in a cool, well-ventilated place.
- Wear suitable protective gloves and eye protection.
- Keep out of reach of children.

The current published SDS classifies the neat material primarily as a Category 3 flammable liquid.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Representative Concentration
Isoamyl Isobutyrate Natural	2050-01-3	Approximately 100%

No intentionally added solvents or preservatives.

SECTION 4: FIRST-AID MEASURES

Inhalation

Move to fresh air. Obtain medical attention if symptoms persist.

Skin Contact

Wash thoroughly with soap and water. Remove contaminated clothing.

Eye Contact



Flush cautiously with water for at least 15 minutes. Remove contact lenses if present. Obtain medical attention if irritation persists.

Ingestion

Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical attention if unwell.

Most Important Symptoms

- Mild eye irritation.
 - Mild skin irritation after prolonged exposure.
 - Vapour may cause slight respiratory discomfort at high concentrations.
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SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

- Alcohol-resistant foam
- Dry chemical powder
- Carbon dioxide (CO₂)
- Water fog

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Irritating organic vapours

Firefighters should wear self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Remove all ignition sources.
 - Ventilate affected area.
 - Prevent entry into drains and waterways.
 - Absorb with sand, vermiculite or inert absorbent.
 - Dispose according to local regulations.
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SECTION 7: HANDLING AND STORAGE

Handling

- Avoid breathing vapours.
- Avoid contact with eyes.
- Use good industrial hygiene practices.
- Ground and bond containers during transfer.

Storage

Store:

- In tightly closed containers.
- In a cool, dry, well-ventilated location.
- Away from heat, sparks and open flames.
- Away from oxidising materials.
- Away from direct sunlight.
- Away from children.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Protection	Recommendation
Eye Protection	Chemical safety goggles
Hand Protection	Nitrile gloves
Skin Protection	Protective laboratory clothing
Respiratory Protection	Organic vapour respirator where ventilation is inadequate
Hygiene	Wash thoroughly after handling

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Representative Information
Appearance	Clear colourless liquid
Odour	Powerful pear, banana, apple, fruity
Relative Density (20 °C)	0.860–0.875
Refractive Index (20 °C)	1.401–1.406
Boiling Point	Approximately 170–175 °C
Flash Point	Approximately 44–48 °C
Solubility	Slightly soluble in water; soluble in ethanol and most organic solvents



Representative physical values are consistent with fragrance-grade Isoamyl Isobutyrate.

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability

Stable under recommended storage conditions.

Conditions to Avoid

- Heat.
- Flames.
- Sparks.
- Strong oxidising agents.

Hazardous Decomposition Products

- Carbon monoxide.
 - Carbon dioxide.
 - Irritating organic vapours.
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SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure:

- Skin contact.
- Eye contact.
- Inhalation.
- Ingestion.

No significant chronic hazards are expected under normal occupational handling. Avoid excessive vapour exposure.

SECTION 12: ECOLOGICAL INFORMATION

- Avoid uncontrolled release.
- Prevent contamination of drains and waterways.
- Expected to be readily biodegradable.



SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of product and contaminated packaging through an authorised waste contractor in accordance with local regulations.

SECTION 14: TRANSPORT INFORMATION

Item	Information
UN Number	UN2620
Proper Shipping Name	Amyl Butyrates
Transport Hazard Class	3
Packing Group	III

Transport information should always be verified against the latest manufacturer SDS before shipment.

SECTION 15: REGULATORY INFORMATION

Prepared with reference to:

- Regulation (EC) No. 1907/2006 (REACH)
 - Regulation (EC) No. 1272/2008 (CLP)
 - Regulation (EU) 2020/878
 - United Nations Globally Harmonized System (GHS)
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SECTION 16: OTHER INFORMATION

Document Information

Item	Details
Issue Date	18 July 2026
Revision Number	01
Document Type	Summary Material Safety Data Sheet



Disclaimer

This Safety Data Sheet provides representative safety information for Isoamyl Isobutyrate Natural (Pears & Banana). Physical properties and regulatory information are representative of fragrance-grade material and may vary slightly between manufacturers and production batches. The original manufacturer's Safety Data Sheet shall take precedence.

This material is intended exclusively for professional perfumery and cosmetic manufacture. It is not intended for internal consumption and should be stored securely away from children.

Authorised by:

Fozia Khot
Director