

ISOVANILLIN
Syn: (3-Hydroxy-p-anisaldehyde)

MOLECULAR FORMULA : C₈H₈O₃

CAS No. 621-59-0

MOLECULAR WEIGHT : 152.15

TESTS

SPECIFICATIONS

1.	DESCRIPTION:	Off-white to Beige solid free from visible impurities.
2.	SOLUBILITY	Soluble in Methanol, Acetone, Insoluble in water.
3.	MOISTURE by KF	NMT 1.0%
4.	IDENTIFICATION BY IR	IR conforms to standard
5.	MELTING POINT	112°C to 115°C
6.	PURITY BY HPLC	Min. 98.0%
7.	PACKAGING & STORAGE:	Packed in 25 Kg fibre drum with inner LDPE liner.
8.	SHELF LIFE	24 Months

Registered Office:

Camlin Fine Sciences Ltd. F/11-12, WICEL, Opp. SEEPZ, Central Road, Andheri East, Mumbai 400 093, India.
 CIN: L74100MH1993PLC075361 | ISO 22000 Certified Company

SAFETY DATA SHEET

01. IDENTIFICATION OF THE SUBSTANCE

Chemical Name	: ISO VANILLIN
Synonym(s)	: 3- Hydroxy-p-anisaldehyde
Product Use	: Synthesis
CAS number	: 621-59-0
EC/EINECS	: 210-694-9
Molecular Formula	: C ₈ H ₈ O ₃
Manufacturer / Supplier	: CAMLIN FINE SCIENCES LIMITED Plot No. F/ 11 & F/12, WICEL, MIDC, Marol, Central Road, Opp. SEEPZ Main Gate, Andheri (East), Mumbai – 400 093, INDIA.
Emergency Telephone / Fax number of company	: Tel : +91 22 67001 Fax : +91 22 28324404
Competant person responsible for the safety data sheet	: jerrold.anchan@camlinfs.com
MSDS prepared by	: Camlin Fine Sciences Limited

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to Regulation (EC) No1272/2008

Eye irritation (Category 2), H319

Specific target organ toxicity- single exposure (Category 3) H335

According to European Directive 67/548/EEC as amended.

2.2

Label in accordance with (EC) No. 1272/2008 [CPL]

Pictogram



Signal word

Warning

Hazard statement(s)

H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Hazard symbol(s)

X	Harmful
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R-pharse(s)
R36/37/38 Irritating to eyes, respiratory system and skin.

S-pharse(s)
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37 Wear suitable protective clothing and gloves

03. COMPOSITION, INFORMATION ON INGREDIENTS:

Chemical Name	%	CAS-No	EINECS-No	Classification	CLP Classification
Isovanillin	99	621-59-0	210-694-9	Xi; R36/37/38	Skin Irrit; Eye Irrit.2; STOT SE3; H315, H319, H335

04. FIRST-AID MEASURES:

Eye contact: Irrigate thoroughly with water for at least 10 minutes. OBTAIN MEDICAL ATTENTION
 Inhalation: Remove from exposure, rest and keep warm. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.
 Skin Contact: Wash off thoroughly with soap and water. Remove contaminated clothing and wash before re-use. In severe cases obtain medical attention.
 Ingestion: Wash out mouth thoroughly with water. Obtain medical attention.

05. FIRE-FIGHTING MEASURES

Small Fires Foam, carbon dioxide, dry powder, water fog
 Large Fires Foam, water fog

Do not use water jet as this may spread fire.

Flammability May be combustible at high temperature

Special Risks Not readily combustible

Special equipment Wear full protective clothing and self-contained breathing apparatus.

Combustion may generate hazardous gasses

6. ACCIDENT RELEASE MEASURES:

Personal Protection	Wear suitable protective clothing and equipment
Environment Protection	Take precautions to ensure product does not contaminate the ground or enter the drainage system.
Clean up	
Small spillage:	Contain with absorbent material and transfer carefully to sealed container. Arrange for removal by disposal company. Wash site of spillage thoroughly with water and detergent.
Large spillage:	Vacuum spilled product, contain with absorbent material and carefully transfer to salvage containers. Any residues should be treated as small spillages.

07. HANDLING AND STORAGE:

Handling

Avoid contact with skin and eyes. Work using a suitable extraction/ventilation system. Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use.

Use appropriate containment to avoid environmental hazard.

Storage	Store sealed in original packaging until required for use between 15-25 deg C. Protect from light, heat and moisture.
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08. EXPOSURE CONTROLS, PERSONAL PROTECTION:

No workplace exposure limits for components established.

Personal Protection Equipment.

	As appropriate to the situation and quantity handled. Engineering methods to control or prevent exposure are preferred. Methods could include process enclosure or mechanical ventilation.
Respiratory protection:	Dust respirator conforming to P3 (EN143) or EN149, if dusts are generated. Use respirators tested and approved under government standards NIOSH, CEN.
Hand protection:	Rubber or plastic. Gloves subject to permeation or any signs of degradation must be removed and replaced immediately. Gloves should be in accordance to specifications of EU Directive 89/686/ECC and standard EN374 derived from it. Check with PPE manufacturer.
Eye protection:	Goggles or safety spectacles, or full face mask. Safety goggles accordance to EN 166.
Body protection:	Chemically resistant full body, arm and face protection - if handling large quantities.

Environmental Exposure Controls

Use appropriate containment. Do not allow product to enter water supplies, wastewater or soil.

09. PHYSICAL AND CHEMICAL PROPERTIES:

- Physical Form: Solid (Crystal)
- Color: White to Beige solid
- Odor: Characteristic odour
- Odor threshold: not available
- Specific Gravity at 20°C (68°F) (water=1): Not applicable
- Vapor Pressure: negligible
- Vapor Density (Air=1): not applicable
- Evaporation Rate: negligible
- Boiling Point: 179°C (354.2°F) at 15 mmHg
- Melting Point: 112 - 116°C (104 to 109°F)
- Viscosity: not available
- Solubility in Water: Insoluble
- pH not available
- Flash Point (Cleveland open cup): 119.90°C (248°F)
- Lower Explosive Limit: not available
- Upper Explosive Limit: not available
- Ignition Temperature : NA
- Dispersion Properties : See solubility in water , diethyl ether , acetone.

10. STABILITY AND REACTIVITY:

Stability	Stable
Reactivity	Incompatible with heat, oxidising agents and moisture

11. TOXICOLOGICAL INFORMATION:

General	
Inhalation	May be harmful if inhaled
Eye contact	Causes eye irritation.
Ingestion	Harmful if swallowed
Skin	Harmful if absorbed through skin. Causes skin irritation.
LD 50 Intraperitoneal Rat	: 1276 mg/kg
Skin irritation:	Non-irritant. May cause allergic eczema in already sensitized persons. May cause allergic skin reaction.
Carcinogenicity :	No known information

12. **ECOLOGICAL INFORMATION:**

Toxicity

No data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

PBT and vPvB assessment

no data available

Other adverse effects

Harmful to aquatic life.

no data available

13. **DISPOSAL CONSIDERATIONS:**

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

14. **TRANSPORT INFORMATION:**

ADR/RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION:



Signal word : Warning

EC-Label : Not assessed

COMPOSITION
ISO VANILLIN (>98%)

H Statements	
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

P Statements	
P305/351/338	If IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

16. ADDITIONAL INFORMATION:

Amended conform (EC) No. 1907/2006, (EC) No. 1272/2008

Disclaimer

The information contained herein is based on our state of knowledge at the above specified date.

It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS has been written according to EC Directives, by the Company's Responsible for Safety and Environmental in compliance with: (Telephone n. +9122 67001000)