

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Identification of the substance:

Product Name: Adorr Vanillin Premium
Chemical Name: 4-Hydroxy-3-methoxy-benzaldehyde
CAS number: 121-33-5
EC (EINECS) number : 204-465-2
EU REACH number : 01-2119516040-60-0018
UK REACH number : UK-01-5338798840-4-0002

The transition time according to REACH Regulation, Article 23 is still not expired.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use:

Flavouring Agent

1.3. Details of the supplier of the safety data sheet

Seller: Camlin Fine Sciences Ltd
2nd Floor, In GS point, CST Road, Kalina,
Santacruz (East), Mumbai 400098, India
Competent person responsible for the safety data sheet:
jerrold.anchan@camlinfs.com

1.4. Emergency telephone number

Tel: +91 22 67001000
Fax: +91 22 28324404

Distributed by:

Univar Solutions USA Inc.
3075 Highland Pkwy Ste 200
Downers Grove, IL 60515
Telephone: 1-855-429-2661
Emergency phone number:
CHEMTREC 1-800-424-9300

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

Warning, Eye Irrit. 2, Causes serious eye irritation.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Signal word:

Warning

Hazard statements:

H319 Causes serious eye irritation.

Precautionary statements:

P264 Wash face, hands and any exposed skin thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.

Special Provisions:

None

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards
vPvB Substances: None - PBT Substances: None

Other Hazards:
No other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Identification of the substance:

Trade name: Adorr Vanillin Premium

Product use: Flavouring Agent

EC No: 204-465-2

CAS number: 121-33-5

3.2. Mixtures

Ingredient	CAS No.	% content
Vanillin	121-33-5	100%

4. FIRST AID MEASURES

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.
Remove contaminated clothing immediately and dispose off safely.
After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
Protect uninjured eye.

In case of Ingestion:

Give nothing to eat or drink.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

None

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

5. FIRE-FIGHTING MEASURES

The product is not combustible.

Cool the containers exposed to the fire with water.

5.1. Extinguishing media

Suitable extinguishing media:

Water spray, carbon dioxide or Dry chemical fire extinguisher

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

5.3. Advice for firefighters

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular. See, too, paragraph 10.

Instructions as regards storage premises:

Adequately ventilated premises and complete of eyewash fountain and emergency shower. Dispose on suitable floors and provided of spillage basins.

7.3. Specific end use(s)

None in particular

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

No workplace exposure limits for components established

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

8.2.1. Appropriate engineering controls:

None

8.2.2. Individual protection measures, such as personal protective equipment

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Dust respirator conforming to P3 (EN143) or EN149, if dusts are generated.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

8.2.3. Environmental exposure controls:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	white to slightly yellow crystals	--	--
Odour:	Pleasant aromatic vanilla odour	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	81 °C to 83 °C	--	--
Initial boiling point and boiling range:	285 °C (545 °F)	--	--
Flash point:	153 °C (307 °F) closed cup	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	3 pa at 20 °C	--	--
Vapour density:	N.A.	--	--
Relative density (water=1):	1,06 at 20 °C (68 °F)	--	--
Solubility in water:	10 g/l	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	400 °C (752 °F)	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

10. STABILITY AND REACTIVITY

10.1. Reactivity

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

10.2. Chemical stability

Material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3. Possibility of hazardous reactions

Violent reaction with: strong oxidiser, Reducing agents, Bases

10.4. Conditions to avoid

Decomposition takes place from temperatures above: >160 °C.

10.5. Incompatible materials
Aluminium & strong oxidizing agents

10.6. Hazardous decomposition products:
see section 5.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Acute Toxicity
Product Information
Component Information

Component	LD50 Oral	Dermal LC50	Inhalation
Vanillin	LD50 = 1580 mg/kg (Rat)	> 5010 mg/kg (Rabbit)	Not listed

Toxicologically Synergistic Products: No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation: Irritating to eyes
Sensitization: No information available
Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS No	IARC	NTP	ACGIH	OSHA	Mexico
Vanillin	121-33-5	Not listed	Not listed	Not listed	Not listed	Not listed

Mutagenic Effects No information available
Reproductive Effects No information available.
Developmental Effects No information available.
Teratogenicity No information available.
STOT - single exposure None known
STOT - repeated exposure None known
Aspiration hazard No information available
Symptoms / effects, both acute and delayed
No information available

11.2. Information on other hazards:

11.2.1. Endocrine Disrupting properties: No information available

11.2.2. Other Information - Acceptable daily intake (ADI) for human is intended for 0 – 10mg/kg/day (The Joint FAO/WHO Expert Committee on Food Additives.)

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
Toxicity to fish semi-static test LC50 - Pimephales promelas (fathead minnow) - 57 mg/l - 96 h
static test LC50 - Pimephales promelas (fathead minnow) - 88 mg/l - 96 h
flow-through test LC50 - Pimephales promelas (fathead minnow) - 53 - 61,3 mg/l - 96 h

12.2. Persistence and degradability

None

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None
12.6. Endocrine Disrupting properties: Not Applicable
12.7. Other adverse effects: None

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

14.1. UN number
14.2. UN proper shipping name

ADR-Shipping Name:	NOT DANGEROUS GOODS
IATA-Shipping Name:	NOT DANGEROUS GOODS
IMDG-Shipping Name:	NOT DANGEROUS GOODS

14.3. Transport hazard class(es) - NA
14.4. Packing group- NA
14.5. Environmental hazards- NA
14.6. Special precautions for user- NA
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code- No

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009. Regulation (CE)n. 286/2011
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 453/2010 (Annex II)
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
Restrictions related to the product: No restriction.
Restrictions related to the substances contained: No restriction.
US Federal Regulations Vanillin (121-33-5) United States: Active on the United States TSCA (Toxic Substances Control Act) inventory.
Where applicable, refer to the following regulatory provisions :
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Directive 2012/18/EU (Seveso III)
Dir. 2004/42/EC (VOC directive)
Provisions related to directive EU 2012/18 (Seveso III): N.A.
15.2. Chemical safety assessment
No Chemical Safety Assessment has been carried out for the substance.

16. OTHER INFORMATION

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:
ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
ACGIH - Threshold Limit Values - 2015 edition
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