

Safety Data Sheet

According to Regulation (EC) 1907/2006



2048 Vanillin

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Name:

Vanillin

Synonym:

3-Methoxy-4-Hydroxybenzaldehyde, 4-Hydroxy-3-Methoxybenzaldehyde

REACH Registration Number: 01-2119516040-60-XXXX

1.2 Relevant identified uses of the substance or mixture:

For laboratory utilisation, analysis, research and fine chemistry.

1.3 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

Polígono Pla de la Bruguera

E-08211 Castellar del Vallès

(Barcelona) Spain

Tel. (+34) 937 489 400

e-mail: product.safety@panreac.com

1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

2. Identification of dangers

Classification of the substance or the mixture.

Classification Regulation (CE) nº 1272/2008.

Eye Irrit. 2

Hazard Pictograms



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

Classification (67/548/CEE or 1999/45/CE).

Xi Irritant

R36

For the full text of the R-phrases mentioned in this section, see section 16.

3. Composition/information on ingredients

Name: Vanillin

Formula: C₈H₈O₃ M.= 152,15 CAS [121-33-5]

EC number (EINECS): 204-465-2

REACH Registration Number: 01-2119516040-60-XXXX

4. First aid measures

4.1 General indications:

Never provide drink or induce vomiting in the event of loss of consciousness.

4.2 Inhaling:

Take the person out into the fresh air.

4.3 Contact with the skin:

Wash with plenty of soap and water. Remove contaminated clothing.

4.4 Eyes:

Wash with plenty of water, keeping eyelids open. In the event of irritation, seek medical assistance.

4.5 Swallowing:

Wash mouth out immediately. Drink large amounts of water. Seek medical assistance.

5. Firefighting measures

5.1 Suitable extinguishing media:

Atomized water. Foam. Dry powder.

5.2 Unsuitable extinguishing media:

No specific data.

5.3 Special hazards arising from the substance or mixture:

May form explosive mixtures with the air. In the event of fire, toxic fumes may form: CO y CO₂.

5.4 Advice for firefighters:

Suitable clothing and footwear. Self-contained breathing equipment.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Do not inhale the dust. Avoid sources of ignition. Do not smoke.

6.2 Environmental precautions:

Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.

6.3 Methods and material for containment and cleaning up:

Collect up dry. Clean any remains with plenty of water.

7. Handling and storage

7.1 Precautions for safe handling:

Ensure good ventilation and renewal of the air in the premises. Handle under an extractor fan. Moisture-sensitive. Air and light-sensitive.

7.2 Conditions for safe storage, including any incompatibilities:

In a cool, dry place, away from light and well ventilated. Well sealed containers. Away from sources of ignition and heat. Room temperature. Do not store in light-metal containers.

8. Exposure controls/personal protection

8.1 Exposure controls:

Ensure good ventilation and renewal of the air in the premises. Do not inhale the dust.

8.2 Control parameters:

PNEC: ,

Freshwater: , 0,118mg/l

Freshwater: 58,22 ppm Sediment,

Marine water: 5,82 ppm Sediment,

Marine water: , 0,0118mg/l

STP: , 10mg/l

Soil: 11,54 ppm ,

DNEL: ,

Population, oral, acute (systemic): , 10mg/kg bw/24h

8.3 Respiratory protection:

If dust forms, use suitable respiratory protection.

8.4 Hand protection:

Use suitable gloves

8.5 Eye/face protection:

Use suitable goggles.

8.6 Individual hygiene measures:

Remove contaminated clothing. Wash hands before breaks and when the job is done.

8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

9. Physical and chemical properties

Appearance: solid

Colour: White

Granulometry: N/A

Odour: Characteristic.

pH: 4,3 ((10 g/l sol.))

Melting point/freezing point: 81 °C

Initial boiling point and boiling range: 154 °C 13 hPa

Flash point: 160 °C (closed cup)

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits:

N/A

Vapour pressure: 0,0029 hPa (25 °C)

Vapour density: N/A

Relative density:

N/A

Solubility: 10 g/l in water (20 °C)

Partition coefficient: n-octanol/water: 1,21

Auto-ignition temperature:

N/A

Decomposition temperature: N/A

Kinematic viscosity:N/A

Dynamic viscosity:

N/A

10. Stability and reactivity

10.1 Conditions to avoid:

The product is chemically stable under standar ambient conditions (room temperature).

10.2 Incompatible materials:

Oxidant agents. Alkaline compounds. Air Aluminium.

10.3 Hazardous decomposition products:

In the event of fire, toxic fumes may form. Carbon dioxide. Carbon monoxide.

10.4 Chemical stability:

No specific data.

11. Toxicological information

11.1 Acute toxicity:

LD50 oral rat : 3.978 mg/kg

LD50 skn rat : > 2.000 mg/kg

11.2 Dangerous effects for health:

Through contact with the eyes: Can cause Serious injuries Take the usual precautions for handling chemical products.

12. Environmental information

12.1 Toxicity:

(Daphnia magna) EC50 180 mg/l (24h)
(Daphnia magna) EC50 36,8 mg/l (48h)
Fish (P. promelas) EC50 57 mg/l (96h)
Risk for the water environment Low

12.2 Persistence and Degradability :

Biodegradable product.

12.3 Bioaccumulative potential:

Non-bioaccumulable product.

12.4 Mobility in soil :

Data not available.

12.5 Assessment PBT and MPMB :

According to Annex XIII of Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): Does not meet the criteria for PBT (persistent / bioaccumulative / toxic). According to Annex XIII of Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): Does not meet the criteria vPvB (very persistent / very bioaccumulative).

12.6 Other adverse effects:

Do not allow it to enter soils or water channels.

13. Disposal considerations

13.1 Waste treatment methods:

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes. Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

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13.2 Contaminated containers:

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

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14. Transport information

Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

16. Other information

Other precautionary statements

Labelling (65/548/CEE or 1999/45/CE)

R-phrase(s): **R36** Irritating to eyes.

S-phrase(s): **S36** Wear suitable protective clothing.

Version and revision date : 5 28.09.2012

Replaced: 15.09.2011

In respect of the previous review, changes have been made to the following sections: 2, 12

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.