



SAFETY DATA SHEET

Date of issue: 02/03/07

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

Identification of the product

Catalogue No: P28902

ID No.: 1029100

Product name: **Vanillin, synthetic, Rectapur**

Use of the substance/preparation: Chemical reagent

Manufacturer/supplier identification

Company: VWR International Ltd., Hunter Boulevard, Lutterworth,
Leics, LE17 4XN, England
Telephone : + 44 (0) 1455 207000 Telefax : + 44 (0) 1455 558586
E-mail: product.support@uk.vwr.com

Emergency telephone No.: + 44 (0) 1455 207000

2. Hazards identification

Not classified as dangerous according to EC Directives.

3. Composition/information on ingredients

Chemical characterization

Organic solid

Product name: Vanillin

CAS number: 121-33-5

EC-No.: 204-465-2

Molecular formula: $\text{CH}_3\text{O.C}_6\text{H}_4(\text{OH}).\text{CHO}$ = 152.15 g/mol

4. First-aid measures

- Eye contact: Irrigate thoroughly with water for at least 10 minutes. If discomfort persists, obtain medical attention.
- Inhalation: Remove from exposure, rest and keep warm. In severe cases 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 and give plenty of water to drink. OBTAIN MEDICAL ATTENTION.

5. Fire-fighting measures

Special risks:

Not readily combustible.

Suitable extinguishing media:

Water spray, foam, dry powder or carbon dioxide

6. Accidental release measures

Wear appropriate protective clothing.

Small amounts: Mix with dry sand, transfer carefully to container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers.

Any residues should be treated as for small spillages.

7. Handling and storage

Handling:

Wash hands and face after working with substance.

Storage:

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

8. Exposure controls/personal protection

UK Exposure Limits:

None assigned

Personal protective equipment:

As appropriate to the situation and the quantity handled.

- Respirator: Dust respirator when dusts are generated.
- Ventilation: Extraction hood when dusts are generated.
- Gloves: Rubber or plastic
- Eye Protection: Goggles or face-shield
- Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

9. Physical and chemical properties

General information:

Form:	solid
Colour:	off-white
Odour:	characteristic

Health, safety and environmental information:

Melting temperature	80°C
Boiling temperature	284°C
Density(g/ml)	1.06
Bulk density:	~0.6g/ml
Vapour pressure	0.0029hPa (25°C)
Solubility in water	Slightly soluble (10g/l, 25°C)
pH value	4-5 (10g/l, 20°C)
Flash point	153°C
Explosion limits:	lower: No data

Auto-ignition temperature	>400°C
Log P(o/w):	1.21

10. Stability and reactivity

light-sensitive; sensitive to air.

No data

11. Toxicological information

Hazardous properties cannot be excluded but unlikely when handled appropriately.

Possible effects:

- After skin contact: allergic reactions

Further data

LD50 3925 mg/kg oral, rat.

LD50 >2000mg/kg dermal, rabbit.

LC50 >0.0417mg/l/4hr inhalation, rat.

Skin irritation test (rabbit): No irritation.

Eye irritation test (rabbit): Slight irritation

Ames-Test: negative

12. Ecological information

Adverse ecological effects cannot be excluded in the event of improper handling or disposal.

Further ecological data:

Bioaccumulation potential: low (Log Pow <2).

Fish toxicity: LC50: 123mg/l/96hr (P. promelas)

Daphnia toxicity: EC50: 180mg/l/24hr

13. Disposal considerations

Chemical residues are generally classified as hazardous or special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

When recovery and recycling is not possible, incineration in a high temperature incinerator is the recommended method of disposal.

14. Transport information

Not subject to transport regulations.

15. Regulatory information

Labelling according to EC directives

Not classified as dangerous according to EC Directives.

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Local Regulations

16. Other information

Revision.

Supersedes issue of 05/02/96

Reason for alteration: Changes in Section : 11,12

Date of issue: 02/03/07

Date of print: 19/12/07