

SAFETY DATA SHEET

PVPP GRANULES

version : EN/29-11-17/C

page : 1/4

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

Product name: PVPP GRANULES

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

Industry, wine and food

1.3. Details of the supplier of the safety data sheet

Company details: Institut Œnologique de Champagne
Z.I. de Mardeuil – Allée de Cumières – BP 25
51201 EPERNAY Cedex
FRANCE
Tel: + 33 (0) 3.26.51.96.00.
Fax: + 33 (0) 3.26.51.02.20.
fds@ioc.eu.com

1.4. Emergency telephone number

112

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not applicable.

2.2. Label elements

Not applicable

2.3. Other hazards

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Components : 2-Pyrrolidinone, 1-Ethenyl-, Homopolymer (9003-39-8) / Cellulose (9004-34-6)

Weight % : 60-100 / 3-7

EU Classification : NA / NA

REACH Classification : N/A / N/A

ECC Number : NA / 232-674-9

3.2. Mixtures

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately

Skin Contact: Wash off immediately; wash with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse.

Ingestion: Do not induce vomiting. If conscious, give 2 glasses of water. Get immediate medical attention.

Inhalation: If inhaled, remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Get medical attention.

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

None

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

None

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

All types r

5.2. Special hazards arising from the substance or mixture

May form explosive dust-air mixture.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment

6.2. Environmental precautions

None known

6.3. Methods and material for containment and cleaning up

Clean up promptly by scoop or vacuum. Avoid dust formation. Avoid dust accumulation in enclosed space. Keep in suitable, closed containers for disposal. Water washdown not recommended.

6.4. Reference to other sections

See Section 13 for disposal of the substance

SAFETY DATA SHEET

PVPP GRANULES

version : EN/29-11-17/C

page : 2/4

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid generating or breathing dust. Avoid dust formation. Avoid dust accumulation in enclosed space. Wash thoroughly after handling

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Keep in a dry, cool place. Keep away from direct sunlight. Hygroscopic, keep container closed when not in use.

7.3. Specific end use(s)

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1. Control parameters

Engineering Measures: Use only in well-ventilated areas

Exposure Limits:

Components: 2-Pyrrolidinone, 1-Ethenyl-, Homopolymer 9003-39-8 (60-100) / Cellulose 9004-34-6 (3-7)

German Recommended Exposure Limits (MAK): Not determined / Not determined

UK Workplace Exposure Limits (WELs): Not determined / 10 mg/m³ TWA inhaled dust - 4 mg/m³ TWA respirable dust - 12 mg/m³ STEL respirable dust - 20 mg/m³ STEL inhalable dust

8.2. Exposure controls

Respiratory Protection: Local nuisance dust OES applies. Use in a well ventilated area. An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits

Hand Protection: Wear protective gloves

Eye Protection: Safety glasses

Environmental Controls: Not determined

Thermal hazards: None

Environmental exposure controls: Nothing

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: Granules off white

Odour: None

Odour threshold: No data available

pH: 5.0-8.0 (1% solution)

Melting / freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash point: Not determined

Evaporation rate: No data available

Flammability (solid, gas) ±: No data available

Upper/lower flammability or explosive limits: No data available

Vapour pressure: No data available

Vapour density: No data available

Relative density: No data available

Solubility(ies): Insoluble in Water

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: No data available

Oxidising properties: No data available

9.2. Other information

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

No

10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid dust formation. Avoid dust accumulation in enclosed space. Material is hygroscopic and will absorb atmospheric moisture if not stored in an enclosed container.

SAFETY DATA SHEET

PVPP GRANULES

version : EN/29-11-17/C

page : 3/4

Materials to Avoid: Strong oxidizing agents Strong reducing agents

10.5. Incompatible materials

Incompatible with iron, heavy metal salts, alkaloids, gelatin, albumin, starch, oxidizing materials, lime water

10.6. Hazardous decomposition products

Nitrogen oxides (NO_x)

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Oral Toxicity: >5000 mg/kg (Rat)

Eye Irritation: Non-irritating to rabbit eye. (PVPP)

Mutagenicity: Non-mutagenic. (Ames Assay; Dominant Lethal Test on mice; L5178Y Mouse (TK+/-) Lymphoma Assay; Bone Marrow Chromosomal Aberration Assay; BALB/C 3T3 Transformation) (PVPP)

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. / No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. / No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: Juvenile Turbot: 96-hr. LC50 >1,000 mg/L / Corophium Volutator; 10-Day LC50 >1,000 mg/L / Marine Algae; 72-hr. EC50 >1,000 mg/L (PVPP)

12.2. Persistence and degradability

Not readily biodegradable (11% after 28 days) (PVPP)

12.3. Bioaccumulative potential

Not determined

12.4. Mobility in soil

Not determined

12.5. Results of PBT and vPvB assessment

Not determined

12.6. Other adverse effects

Not determined

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Methods: Dispose of in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

Not regulated.

14.2. UN proper shipping name

Not regulated

14.3. Transport hazard class(es)

Not regulated

14.4. Packing group

Not regulated

14.5. Environmental hazards

Not regulated

14.6. Special precautions for user

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not regulated

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Classification: No dangerous ingredients according to Regulation (EC) No. 1907/2006

TSCA Inventory List: This product and/or its components are listed or exempt from the TSCA Inventory

California Proposition 65 Carcinogens & Reproductive Toxicity (CRT) List : This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

Canada DSL Inventory List: This product and/or its components are listed or exempt from the DSL Inventory

Canada NDSL Inventory List: This product and/or its components does not comply with NDSL

European Inventory of Existing Commercial Chemical Substances (EINECS): This product and/or its components are listed or exempt from the EINECS Inventory

SAFETY DATA SHEET PVPP GRANULES

version : EN/29-11-17/C

page : 4/4

EU List of Notified Chemical Substances (ELINCS): This product and/or its components does not comply with ELINCS

Germany VCI Assigned Classification into Water Endangering Classes (WGK) List: Components: 2-Pyrrolidinone, 1-Ethenyl-, Homopolymer (9003-39-8) / Germany VCI Assigned Classification into Water Endangering Classes (WGK) List: Annex 3: 2082

Japan Inventory of Existing & New Chemical Substances (ENCS): This product and/or its components are listed or exempt from the ENCS

Australia Inventory of Chemical Substances (AICS) List: This product and/or its components are listed or exempt from the AICS Inventory

15.2. Chemical safety assessment

No.

SECTION 16. OTHER INFORMATION

Complete review of compliance with Regulation (EU) No 453/2010 of 20 May 2010

“DISCLAIMER OF LIABILITY: The information in this document was obtained from sources which we believe to be reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This Material Safety Data Sheet was prepared for and is to be used only for this product. If the product is used as a component in another product, this information may not be applicable.”