



MATERIAL SAFETY DATA SHEET

TANI'EXEL

1 – CHEMICAL PRODUCT IDENTIFICATION AND COMPANY IDENTIFICATION

Product: TANI'EXEL

Supplier: **Burgundia Cœnologie**

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2 – COMPOSITION – INFORMATION ON INGREDIENTS

Characterization of the preparation: Association of natural grape tannin extracts.

3 – HAZARD IDENTIFICATION

The product is stable under the normal conditions of use. The product is astringent, tastes bitter.

At high temperature, the product can release SO₂ - SO₃.

Can cause breathing difficulties by powder inhalation and generate gastric and intestinal disorders if ingested in high quantity.

4 – FIRST AID MEASURES

In case of skin contact: Wash immediately with soap and water. If irritation persists, seek consult a doctor.

In case of eyes contact: Rinse immediately with water for 15 minutes holding the eyelid open. If irritation persists, consult an ophthalmologist.

In case of ingestion: Rinse mouth and throat thoroughly with water. Drink water. If symptoms persist, consult a doctor.

In case of inhalation: Evacuate outdoors or in a ventilated place. If symptoms of irritation or sensitization occur (shortness of breath or wheezing, cough), consult a doctor.

5 – FIRE FIGHTING MEASURES

Normally not flammable, but consumed by fire in extreme heat conditions.

Protection against fire and explosions: The intervening parties are advised to wear a smoke mask.

Adequate means of extinguishing: water, CO₂.

Means of extinguishing to be banned: None.

Particular dangers: In case of fire the product can generate an irritant and acrid smoke notably SO₂, SO₃.

6 – ACCIDENTAL RELEASE MEASURES

Environment protection: Shovel the product up, wash the residues with water.

Cleaning method: Sweep the powder up and put it in a bucket. Eliminate the residue by mixing it with sawdust. Take it to a tip in accordance with the local regulation or incinerate.

Product neutralisation: In aqueous solution the product forms a precipitate with metallic salts notably with alumina sulphate.

7- HANDLING AND STORAGE

Handling: Wear a breathing mask. Do not eat, drink or smoke while working. Wash your hands after manipulation.

Storage: Store in its original and closed packaging. Store in a cold, dry and airy place. The product is slightly hygroscopic.

8 – EXPOSURE CONTROL/PERSONAL PROTECTION

As for any powder handling, to wear a protective mask is imperative.

The use of protective goggles, gloves and protective clothing is recommended.

9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance (colour): Dark brown powder

Odour: Characteristic

pH (1%): 3,2 ± 0,5

Solubility in water: Soluble

Auto flammability temperature: > 500°C

Decomposition temperature: > 250°C

Lightning point: not concerned

Apparent specific weight: 0,45 g/cm³ ± 0,05

The others physical and chemical parameters are not relevant for the safety. For more information, refer to the Technical Product Datasheet.

10 – STABILITY AND REACTIVITY

The product is stable under normal conditions of storage and use. The product forms a precipitate with metallic salts notably with iron salts and gelatine. The product is oxidisable on contact with air. At high temperature, the decomposition gives SO₂, SO₃.

11 – TOXICOLOGICAL INFORMATION

We currently do not have information on toxicological values.

Analysis on similar tannin extract was:

- LD 50 oral on rat: 100 mg/kg
- LD 50 skin rat: 7000 mg/kg

No harmful effect, no sensibilization have been reported.

As all powdery products, powder can induce difficulty in breathing by inhalation

12 – ECOLOGICAL INFORMATION

Natural product. Biodegradability is slow.

The product is very sensitive to metallic salts and is eliminated in residual water in the form of mud by alumina sulphate treatment.

13 – DISPOSAL CONSIDERATIONS

Follow the local legislation for tipping.

The product is eliminated from the aqueous solution by precipitation in the form of mud by alumina sulphate (tannate alumina formation).

Residues and packaging elimination by incineration.

The chemical demand oxygen is high. The product must be copiously diluted before being thrown back to the sewer.

14 – TRANSPORTATION INFORMATION

The product is not concerned by the regulation on the hazardous substances transport.

15 – REGULATORY INFORMATION

CEE instructions: 76-464, 78-318, 80-68, 91-156

CEE instructions: 93-18 of 05/04/93

French government publication of 28/03/93, by law of 01/10/93 in relation to water sampling and consumption as well as to all residues of classified installations for environment protection subject to authorisation and especially,

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|----------------|--------------|---------------------------------------|
| - Chapter VI | Art.60 | Water pollution |
| - Chapter VII | Art.61 | Environment report |
| - Chapter VIII | Art.63/64/65 | Observation of effects on environment |

16 – OTHER INFORMATION

The information contained in this safety data sheet is considered, at the date of publication, to be true and correct. However, the precision and the exhaustiveness of this information, as well as all the recommendations and suggestions are given without guarantees. As the conditions of use are beyond the control of our company, it is up to the user to determine the conditions of the safest use of this preparation.

"We educate users about the risks involved when a product is used for purposes other than those for which it was designed. The user must know and apply all the regulations governing his activity. "