POWDER AND GRANULAR POWDER TANNINS – MATERIAL SAFETY DATA SHEET

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

1.1 Product identifier Identification of the mixture:
1.2
Business name: Powder Tannin and Granular Powder Tannin
1.3 Relevant identified uses of the substance / mixture and uses advised against
Recommended use:
Industrial uses
Professional use
Stabilizing the color
Applications wine
1.4 Details of the supplier of the safety data sheet
Supplier: Keller Juices s.r.l. – Via Mario Vellani Marchi, 50 – 41124 Modena - Italy

2. HAZARDS INDENTIFICATION

2.1 Classification of the substance or mixture Policy Directives 67/548/EC, 99/45/EC and subsequent amendments: No specific hazards are encountered under normal product use. Criteria Regulation EC 1272/2008 (CLP): no specific hazards are encountered under normal product use.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Tannins
Hazardous components within the meaning of EEC directive 67/548 and Regulation on classification, labeling and packaging of substances and preparations, and their classification:
None

4. FIRST AID MEASURES

4.1 Description of first aid measures
- In case of contact with skin: Wash thoroughly with soap and water
- In case of contact with eyes: Rinse immediately with plenty of water and seek medical advice
- In case of ingestion: Rinse mouth with water. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety data sheet
- In case of inhalation: Move 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 treatment
Special
In case of accident or if you feel unwell seek medical advice immediately (if possible show directions for use or safety data sheet).
Treatment: None

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5. FIRE – FIGHITING MEASURES

5.1 Extinguishing
Suitable extinguishing media: Water, carbon dioxide (CO2).
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 fire-fighters:
Use appropriate respiratory equipment;
Collect separately contaminated water used to extinguish the fire, do not be discharged into drains.
If feasible in terms of safety, move from immediate danger undamaged containers.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear personal protective equipment.
Move people in a safe place.
See protective measures under point 7 and 8.
6.2 Environmental precautions Do not allow to enter into soil / subsoil.
Prevent runoff into surface water or sanitary sewer system.
Hold the contaminated washing water and dispose. In the event of a gas leak or penetration into waterways, soil or sewer inform the responsible authorizations. Suitable material for taking up: absorbing material, organic, sand.
6.3 Methods and materials for containment and cleaning up:
Wash with plenty of water.
6.4 Reference to other sections
See also Section 8: 13

7. HANDLING AND STORAG

7.1 precautions for safe handling:
Avoid contact with skin and eyes, and inhalation of vapors and mists.
When using do not eat or drink.
Please see also Section 8 for recommended protective equipment.
7.2 Conditions for safe storage, including any incompatibilities
Always keep the containers tightly closed.
Keep away from food, drink and animal feed.
Instructions as regards storage premises:
Adequately ventilated and dry
7.3 Using / the end / specific / s
None in particular

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters None
8.2 Exposure control
Eye protection: Safety glasses with dust.
Skin protection: It is not required to adopt any special precautions for normal use.
Protection of hands: Not required for normal use.
Respiratory protection: Not needed for normal use. Where ventilation is insufficient or exposure is prolonged employ a respiratory protection, eg. CEN/FFP-2 (S) or CEN/FFP-3 (S).
Thermal hazards: None
Environmental exposure controls: None

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical
Appearance and color: light brown powder
Odour: characteristic
Odor Theshold: N.A.
pH: 3.0 ± 0.2 (only 1%)
Melting point / freezing point: N.A.
Initial boiling point and boiling range: N.A.
Solid / gas: N.A.
Upper / lower flammability or explosive limits: N.A.
Vapour density: N.A.
Flash point: > 198°C
Evaporation rate: N.A.
Relative density: N.A.
Solubility in water: soluble
Lipid: N.A.
Partition coefficient (n-octanol / water): N.A.
Autoignition temperature: > 500°C
Decomposition temperature: N.A.
Viscosity: N.A.
Explosive properties: N.A.
Oxidizing properties: N.A.
9.2 Other information
Miscibility: N.A.
Lipid: N.A.
Conductivity: N.A.
Characteristic properties of the groups of substances: N.A.

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10. STABILITY AND FREACTIVITY

10.1 Reactivity: Stable under normal conditions
10.2 Chemical stability: Stable under normal conditions
10.3 Possibility of hazardous reactions: None
10.4 Conditions to avoid: Stable under normal conditions
Dusts can form flammable mixtures with air in the presence of initiation of adequate energy
10.5 Incompatible materials:
Incompatible with iron, heavy metals salts, alkaloids, gelatine, albumins, starches, oxidizing materials, lime water.
10.6 Hazardous decomposition products. None

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Test: LD50 Via: Oral Species; Rat> 2000 mg/kg
Skin irritation: No irritant effect
Eye irritation: not irritating
Sensitization: No sensitizing effects known

12. ECOLOGICAL INFORMATION

12.1 Toxicity: Use according to good working practices, avoiding littering
12.2 Persistence and degradability: No
12.3 Bioaccumulative potential: N.A.
12.4 Mobility in soil: N.A.
12.5 Results of PBT and vPvB: None
12.6 Other adverse effects: None

13. DISPOSAL CONSIDERATIONS

13.1 Methods of treatment of the waste
Recover if possible. Operate according to local and national regulations.

14. TRANSPORT INFORMATION

14.1 UN Number: Not classified as dangerous ion the meaning of transport regulations.
14.2 Shipping name: N.A.
14.3 Class / s Transport hazard: N.A.
14.4 Packaging group: N.A.
14.5 Environmental hazards: N.A.
14.6 Special precautions for user: N.A.
14.7 Transport in bulk according to Annex II if MARPOL 73/78 and the IBC Code
Environmental pollutant: No

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15. REGULATORY INFORMATION

15.1 Safety, health and environmental, safety and legislation specific for the substance or mixture
Leg. 3/2/1997 no. 52 (Classification, packaging and labeling of dangerous substances). Legislative Decree 14.3.2003 n. 65 (Classification, packaging and labeling of dangerous substance). Leg. 02/02/2002 n. 25 (Risks related to chemical agents at work). D.M. Working 26/02/2004 (Occupational exposure limit); DM 04/03/2007 (Implementation of Directive no. 2006/8/EC). Regulation (EC) n. 1907/2006 (REACH) Regulation (EC) n. 1272/2008 (CLP) Regulation (EC) n. 790/2009 (1st CLP) Regulation (EU) No. 453/2010 (Annex I):
Where applicable, refer to the following standards:
Ministerial Circulars 46 and 61 (aromatic amines).
Leg. September 21, 2005 n. 238 (Seveso Ter)
EC Regulation no. 648/2004 (detergents).
D.M. January 16, 2004 # 44 (VOC Directive)

15.2 Chemical safety assessment: No

16. OTHER INFORMATION

16.1 Main bibliographic sources:
NIOSH – registry of toxic effects of chemical substances (1983)
I.N.R.S. – Fiche Toxicologique CCNL – Annex 1 “TLV for 1989-90” National Institute of Health – National Inventory Chemicals
The information contained in this sheet are based on our knowledge at the date indicated. It refers solely to the product indicated and constitutes no guarantee of particular quality. The use is obliged to check the suitability and completeness of such information in relation to the specific use intended. This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the international carriage of dangerous goods by road.
CAS: Chemical Abstract Service (division of the American Chemical Society)
CLP: Classification, Labelling, Packaging
DNEL: Derived no effect level
EINECS: European Inventory of Existing Chemical Substances in the market
GefStoffVO: Ordinance on Hazardous Substances, Germany
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
IATA: International Air Transport Association
IATA – DGR: Regulations for the Safe Transport of Dangerous Goods of the “International Air Transport Association” (IATA)
ICAO: International Civil Aviation Organization
ICAO – TI: Technical Instructions of “International Civil Aviation Organization” (ICAO)
IMDG: International Maritime Code for Dangerous Goods
INCI: International Nomenclature of Cosmetic Ingredients
KSt: Coefficient of explosion
LC50: Lethal concentration for the 50 percent of the popular tested.
LD50: Lethal doses for 50 percent of the popular tested
PNEC: Predicted No – Effect Concentration
RID: Regulation concerning the international carriage of dangerous goods by rail.
STEL: Short Term Exposure Limit
STOT: Target organ specific toxicity
TLV: Threshold Limit Value
TWATLV: threshold limit value for a weighted average of exposure of 8 hours a day. (Standard ACGH)
WGK: Class German water hazard

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