

TANNIFUSION

MATERIAL SAFETY DATA SHEET

Section 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1. Product Name:

TANNIFUSION

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

POLIPHENOLS - INVIGORATING

1.3 Details of the supplier of the safety data sheet

Company

Zhengzhou Lubing Maoyi Co., Ltd
Address: room 918, unit 1 building 9, Yuanxinyuanshijia, Nongke rd n.9, Jinshui district, Zhengzhou city
Unified Social Credit Code 91410105MACBQNMN1K
Tel: +39 3518063188 // +8618603821831
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1.4 Emergency telephone number

Section 2: Hazards identification

2.1 Classification of the substance or mixture

The product is not classified as hazardous according to the provisions of Directives 67/548 / EEC and 1999/45 / EC and / or Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments)

2.2 Label elements

Pictogram: --

Hazard statements: --

Precautionary statements: --

2.3 Other hazards which do not result in classification

 Information not available.

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Section 3. Composition/information on ingredients.

3.1 Substance

CHESTNUT and other woods EXTRACT:

3.2. Mixture.

- Not applicable, this product is a substance.

Section 4. First aid measures

4.1 Description of first aid measures

EYES: wash immediately and abundantly with water for at least 15 minutes. Answer a doctor immediately.

SKIN: wash immediately and abundantly with water. Take off contaminated clothing. If irritation persists, consult your doctor. Wash the contaminated garments before reusing them.

INHALATION: bring the subject to the open air. If breathing is difficult, consult your doctor immediately.

INGESTION: consult your doctor immediately. Induce vomiting only as directed by your doctor. Do not give anything by mouth if the subject is unconscious and if not raised by the doctor.

4.2 Most important symptoms and effects, both acute and delayed

For symptoms and effects due to the contained substances, see chap. 11.

4.3 Indication of any immediate medical attention and special treatment needed

Information not available.

Section 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEANS

The extinguishing media are: carbon dioxide and chemical powder. For leaks and spills of the product that have not been ignited, nebulized water can be used to disperse the flammable vapors and protect the committed people to stop the leak.

UNSUITABLE EXTINGUISHING MEDIA

Do not use water.

5.2 Special hazards arising from the substance or mixture

HAZARDS DUE TO EXPOSURE IN THE EVENT OF FIRE

Avoid breathing combustion products (carbon oxides, toxic pyrolysis products, etc.).

5.3 Advice for firefighters

GENERAL INFORMATIONS

In the event of fire, immediately cool the containers to avoid the risk of explosion (decomposition of the product, overpressure) and the development of substances potentially hazardous to health. Always wear full fire protection equipment. If possible without risk, remove the containers containing the product from the fire.

EQUIPMENT

Normal fire fighting clothing, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant (EN469), flame retardant gloves (EN 659) and fire brigade boots (HO A29 or A30).

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Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate any source of ignition (cigarettes, flames, sparks, etc.) or heat from the area in which the leak occurred. In case of solid product avoid the formation of dust by spraying the product with water if there are no contraindications. In case of airborne dust or vapors adopt respiratory protection. Block the loss if there is no danger. Do not handle damaged containers or leaked product without first wearing appropriate protective equipment. For information on risks to the environment and health, respiratory protection, ventilation and individual protection measures, refer to the other sections of this sheet.

6.2 Environmental precautions

Prevent the product from entering drains, surface water, groundwater and confined areas.

6.3. Methods and materials for containment and remediation.

Aspirate the leaked product into a suitable container. Evaluate the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material.

Provide sufficient ventilation of the place affected by the leak. Check for possible incompatibilities for the container material in section 7. Disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4. Reference to other sections.

Any information regarding personal protection and disposal is given in sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling

Ensure an adequate grounding system for systems and people. Avoid contact with eyes and skin. Do not inhale any dust, vapors or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid dispersion of the product in the environment.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in the original container. Store in a ventilated place, away from sources of ignition. Keep the containers tightly closed. Keep the product in clearly labeled containers. Avoid overheating. Avoid violent shocks. Keep containers away from incompatible materials, checking section 10.

7.3 Specific and use(s)

Information not available.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Information not available.

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8.2 Exposure controls

Considering that the use of adequate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local aspiration. Personal protective equipment must comply with the regulations in force below.

HAND PROTECTION

Protect hands with category I work gloves (see Directive 89/686 / EEC and EN 374 standard) such as latex, PVC or equivalent. The following must be considered for the final choice of the work glove material: degradation, breakage time and permeation. In the case of preparations, the resistance of work gloves must be checked before use as unpredictable. The gloves have a wear time that depends on the duration of exposure.

PROTECTION OF EYES

Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

SKIN PROTECTION

Wear work clothes with long sleeves and safety footwear for professional use of category I (see Directive 89/686 / EEC and standard EN 344). Wash with soap and water after removing protective clothing.

RESPIRATORY PROTECTION

In case of exceeding the threshold value (if available) of one or more of the substances present in the product, referred to the daily exposure in the work environment or to a fraction established by the company prevention and protection service, wear a mask with filter type B or universal type whose class (1, 2 or 3) must be chosen in relation to the limit concentration of use (see Rule EN 141).

The use of respiratory protective equipment, such as masks of the type indicated above, is necessary in the absence of technical measures to limit the exposure of the worker. However, the protection offered by the masks is limited.

In case the substance considered is odorless or its olfactory threshold is higher than the relative exposure limit and in case of emergency, that is when the exposure levels are unknown or the concentration of oxygen in the work environment is less than 17% in volume, wear an open circuit compressed air breathing apparatus (see standard EN 137) or external air intake respirator for use with a full face mask, half mask or mouthpiece (see standard EN 138).

Provide an eye wash and emergency shower system.

ENVIRONMENTAL EXPOSURE CONTROLS.

Emissions from production processes, including those from ventilation equipment, should be monitored for compliance with environmental protection legislation.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Color	brownish
Odor	characteristic
Odor threshold	Not determined
pH.	Not determined
Melting point/freezing point	Not determined
Initial boiling point and boiling range	Not determined.
Flash point	Not determined
Distillation interval	Not determined.
Evaporation rate	Not determined.
Infiammabilità di solidi e gas	Not determined.
Flammability (solid, gas)	Not determined.
Upper flammability limit.	Not determined
Lower explosive limit.	Not determined
Upper explosive limit.	Not determined
Vapor pressure	Not determined

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Relative density	Not determined
Specific weight.	Not determined
Solubility / Miscibility in water	Not determined
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature.	Not determined
Viscosity	Not determined
Oxidizing properties	Not determined

9.2 Other information

Information not available.

Section 10. Stability and reactivity

10.1 Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical stability

The product is stable under normal conditions of use and storage..

10.3 Possibility of hazardous reactions

Unusual reactions are not expected under normal use and storage conditions.

10.4 Conditions to avoid

None in particular. However, follow the usual precautions with regard to chemicals.

10.5 Incompatible materials

Information not available.

10.6 Hazardous decomposition products

By thermal decomposition or in case of fire, gases and vapors potentially dangerous to health can be released.

Section 11. Toxicological information.

11.1 Information on toxicological effects

Acute effects: the product is harmful if ingested and even small quantities ingested can cause significant health problems (abdominal pain, nausea, vomiting, diarrhea).

The product may cause slight irritation of the mucous membranes and upper respiratory tract, as well as of the eyes and skin. Symptoms of exposure may include: burning sensation, cough, asthmatic breathing, laryngitis, shortness of breath, headache, nausea and vomiting.

Oral administration Toxicity of Tannifusion is low in rats (LD50 = 2250–6000 mg/kg), not applicable on human. MDPI and ACS Style Fraga-Corral, M.; García-Oliveira, P.; Pereira, A.G.; Lourenço-Lopes, C.; Jimenez-Lopez, C.; Prieto, M.A.; Simal-Gandara, J. Technological Application of Tannin-Based Extracts. *Molecules* 2020, 25, 614. <https://doi.org/10.3390/molecules25030614>

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Dermal absorption not applicable; The product does not irritate the skin; However, repeated direct and prolonged contact may defat and irritate your skin causing in some cases dermatitis

Section 12. Ecological information

Use according to good working practices, avoiding to disperse the product in the environment. Notify the competent authorities if the product has reached watercourses or sewers or if it has contaminated the soil or vegetation.

12.1. Toxicity.

Information not available.

12.2. Persistence and degradability

Information not available.

12.3 Bioaccumulative potential

Information not available.

12.4 Mobility in soil.

Information not available.

12.5 Results of PBT and vPvB assessment

Information not available.

12.6 Other adverse effects

Information not available.

Section 13. Disposal considerations

13.1 Waste treatment method

Reuse, if possible. Product residues are to be considered hazardous special waste. The danger of the waste that partially contains this product must be evaluated according to the laws in force.

Disposal must be entrusted to a company authorized to manage waste, in compliance with national and possibly local regulations.

Never dispose of the product in the ground, in sewers or waterways.

CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in accordance with national waste management regulations.

Section 14. Transport information

The product is not considered dangerous according to the provisions in force concerning the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).

Section 15. Regulatory information

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

Seveso category.

None

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Restrictions related to the product or to the substances contained according to Annex XVII Regulation (EC) 1907/2006.

None.

Substances in Candidate List (Article 59 REACH).

None.

Substances subject to authorization (Annex XIV REACH).

None.

Substances subject to export notification obligation Reg. (EC) 689/2008:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

15.2 Chemical Safety Assessment

No chemical safety assessment has been made for the mixture and the substances it contains.

Section 16. Other information

GENERAL BIBLIOGRAPHY:

1. Direttiva 1999/45/CE e successive modifiche
2. Direttiva 67/548/CEE e successive modifiche ed adeguamenti
3. Regolamento (CE) 1907/2006 del Parlamento Europeo (REACH)
4. Regolamento (CE) 1272/2008 del Parlamento Europeo (CLP)
5. Regolamento (CE) 790/2009 del Parlamento Europeo (I Atp. CLP)
6. Regolamento (CE) 453/2010 del Parlamento Europeo
7. Regolamento (CE) 286/2011 del Parlamento Europeo (II Atp. CLP)
8. The Merck Index. Ed. 10
9. Handling Chemical Safety
10. Niosh - Registry of Toxic Effects of Chemical Substances
11. INRS - Fiche Toxicologique
12. Patty - Industrial Hygiene and Toxicology
13. N.I. Sax - Dangerous properties of Industrial Materials-7 Ed., 1989
14. Sito Web Agenzia ECHA

Note to the user:

The information contained in this sheet is based on the knowledge available from us at the date of the last version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be interpreted as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force concerning hygiene and safety under his own responsibility. We do not take responsibility for improper use.

Provide adequate training for personnel involved in the use of chemical products.

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