

94500 Tannin

Edition: 18.01.2005

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

Product Information:

Product Name: Tannin
Article No.: 94500
Application: Artists' and Restauration Material

Company: Kremer Pigmente GmbH & Co. KG
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization: Mixture of hydrolyzable galloil tannins.

Hazardous components:

Substance Name	CAS No.	EINECS	Content	Symbol	R-Phrases
Tannic acid	1401-55-4	215-753-2	100 %	Xi	36/38

3. HAZARD IDENTIFICATION

Hazard designation:



Xi Irritating

R-Phrases:

R 36/38: Irritating to eyes and skin.

Inhalation: The inhaled powder has an astringent effect. At high concentrations can cause cough and breathing difficulties.

Swallowing: It can cause gastric and intestinal disorders due to the astringent action.

Skin contact: It can cause irritation after very protracted contact times.

Eye contact: It can cause reddening and tearing.

4. FIRST AID MEASURES

After skin contact: Wash with plenty of water and soap.

After eye contact: Rinse open eye for at least 10 minutes under running water. Seek medical advise.

After ingestion: Induce vomiting. Consult physician immediately and present Safety Data Sheet. A suspension of activated charcoal in water, or liquid paraffin may be administered.

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After inhalation: Ventilate the premises. The patient is to be removed immediately from the contaminated premises and made to rest in a well ventilated area. Should the patient feel unwell, seek medical advise.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water, CO₂, foam, chemical powders, according to the materials involved in the fire.

Unsuitable extinguishing media: None in particular.

Risks arising from combustion: Keep dust clouds away from possible ignition points. Avoid inhaling the fumes.

Protective equipment: Use protection for the respiratory tract.

6. ACCIDENTAL RELEASE MEASURES

Person-related safety measures: Wear protective gloves and protective clothing.

Environmental protective measures:

Limit leakages with earth or sand. If the product has escaped into a water stream, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

Methods of cleaning/absorption: If the product is in a liquid form, stop it from entering the drainage system. Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material. After the product has been recovered, rinse the area and materials involved with water.

7. HANDLING AND STORAGE

Handling conditions: Avoid contact and inhalation of the powders. See also paragraph 8. Do not eat or drink while working.

Storage conditions: Store in tightly closed containers. Keep premises dry and adequately ventilated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits (ACGIH): None

Industrial hygiene:

Precautionary measures: Keep premises in which product is stored and/or handled adequately ventilated.

Personal protective equipment:

Respiratory protection: Not required for normal use.

Hand protection: Use protective gloves that provide comprehensive protection, e.g. P.V.C., neoprene or rubber.

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Eye protection:	Use closely fitting safety goggles and/or visor.
Skin protection:	No special precautions required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	powder
Color:	light brown
Odor:	characteristic
Melting point:	not applicable
Boiling point:	not applicable
Flash point:	-
Autoignition temperature:	not less than 520°C
Vapour pressure:	not applicable
Relative density:	0.4 - 0.5 kg/dm ³
pH-Value:	3.0 ± 0.2 (sol. 10%)
Solubility in water:	soluble
Lipid solubility:	insoluble

10. STABILITY AND REACTIVITY

Conditions to avoid:	Stable under normal conditions.
Substances to avoid:	Incompatible with iron, heavy metals salts, alkaloids, gelatine, albumins, starches, oxidizing materials, lime water.
Hazardous decomposition products:	Under combustion conditions there is emission of acrid and irritating fumes and gases such as carbon and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	
LD50 (oral, mouse):	5000 mg/kg
LD50 (oral, rat):	2260 mg/kg

12. ECOLOGICAL INFORMATION

Ecological effects:
Conc. 100 mg/l: 20 % inhibition (NH₃ oxidation by nitrosomas sp.)
Conc. 50 mg/l: 7 % inhibition (NH₃ oxidation by nitrosomas sp.)

Adopt sound working practices, so that the product is not released into the environment.

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13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local regulations.

14. TRANSPORT INFORMATION

Transport/Additional information:
Not classified as dangerous according to transport regulations.

15. REGULATORY INFORMATION

Designation according to EC guidelines: The material is subject to classification according to EC lists.

Labeling according to EEC Directives:



Xi Irritating

R-Phrases:

R 36/38: Irritating to eyes and skin.

S-Phrases:

S 24: Avoid contact with skin.

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. OTHER INFORMATION

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.