

SAFETY DATA SHEET

Manufacturer/Distributor **ACCEPTA LIMITED**
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Date: **02.01.08**
 Version nr: **3**

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1. IDENTIFICATION

Trade name: **ACCEPTA 2812**

Generic Name: **Tannin Solution**

Product type/area of use: **Oxygen scavenger/Boiler water treatment chemical**

2. INFORMATION ON COMPOSITION

Substances which give the product
 its Health-risk properties

	<u>CAS-no</u>	<u>Contents %</u>	<u>Remarks</u>
Sodium Hydroxide	1310-73-2	1 - 5	
Tannins	1401-55-4	20-30	

Remarks

3. HAZARDS IDENTIFICATIONS

Inhalation:

NO significant vapours.

Eye Contact:

Slightly alkaline - may cause irritation

Skin Contact:

Slightly alkaline - may cause irritation

Ingestion:

Slightly alkaline, may cause irritation

4. FIRST-AID MEASURES

Inhalation: **Keep the drum closed when not in use**

Eye contact: **Wash immediately with plenty of water**

Skin Contact: **Wash immediately with plenty of water**

Ingestion: **Drink plenty of water to dilute the product**

Information to Doctor: **Slightly alkaline product**

5. FIRE-FIGHTING MEASURES

Fire and Explosion Hazards: None

Precautions:

Extinguishing media: Water

Not suitable extinguishing media: None

6. ACCIDENTAL RELEASE MEASURES

Adsorb by inert material for landfill disposal and wash affected area well with water, flushing to drain.

7. HANDLING AND STORAGE

Handling: Keep drums tightly closed when not in use.

Storage: Store indoors, avoid freezing conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Control: None.

Personal protection: Wear gloves, goggles and overalls when handling this and any other chemical.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: **Red/Brown coloured liquid**

Boiling point: **100°C**

Density [kg/m³]: **1.10-1.15**

Flashpoint[°C] TCC:

Vapor pressure [mm Hg]:

Pour point [°C]:

Vapor density [air=1]:

Auto-ignition temp [°C]:

Soluble in organic solvent:

Expl.omr. [vol%]

Solubility in water [w-%]: **100%**

pH [concentrate]: **9.5-11.5**

pH [10 % ig solution in distilled water]:

Rel. evaporation rate:

Ether = 1:

Butylacetate = 100:

Viscosity [cSt]:

Remarks

10. STABILITY AND REACTIVITY

Stability: **Shelf life 12 months, but it will slowly react with oxygen if left open to the atmosphere.**

Avoid blending with: **Strong acids**

Dangerous products of degradation: **None**

Dangerous products of combustion: **None**

11. TOXICOLOGICAL INFORMATION

Analysis data: **Tannin is considered to be a non-toxic chemical.**

Remarks: LD50 >2000 mg/kg OECD 401
OECD 404 NON-IRRITANT [SKIN]
OECD 405 MILD IRRITANT [EYES]

12. ECOLOGICAL INFORMATION

Analysis data: **Natural product which will biodegrade.**

Remarks: **90% BIODEGRATION OECD 301B**

13. DISPOSAL CONSIDERATIONS

Recommendations: **May be disposed of to landfill or to drain after reaction with oxygen.**

14. TRANSPORT INFORMATION

UN no: Packaging gr.

ADR/RID:

IMDG class:

Side:

EmS no:

MFAG no:

DGR:

Goods description

Others:

15. REGULATORY INFORMATION

Chemical health hazard:

Chemical to the environment:

Inflammable product:

Class:

Explosive product:

Tmsp. class:

Labelling category [-s]:

Symbol [-er]:

Main text:

R-phrase [-s]: **R36/38 – Irritating to eyes and skin.**

S-phrase [-s]: **S24/25 – Avoid contact with eyes and skin, S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice, S28 – Avoid contact with skin, wash immediately with plenty of water, S37/39 – Wear suitable gloves and eye/face**

16. OTHER INFORMATION

All of the raw materials used in this product are approved by the FDA for use in boilers the steam from which may contact food, packaging or paper. The raw materials in this product are approved by the D.O.E. for addition to potable water.

No evidence of Carcinogenic or Mutagenic effects.

Tannins have been used for over one hundred years.

Exposure limits not assigned.