

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name **Accepta 2504**

Application A polymer/polyphosphate sludge conditioner for the treatment of steam raising plant.

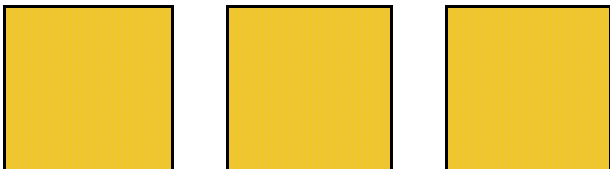
Supplier

Accepta Ltd, Statham House, Old Trafford
Manchester, M32 0FP, UK
Tel: +44 161 87 2334 Fax: +44 870 135 6389
E.Mail: sales@accepta.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical name | CAS No | % (active) | EINECS-No. | Symbols | R-phrases |
|--------------------------|------------|------------|--------------------|--------------|---------------|
| Sodium hexametaphosphate | 68915-31-1 | 10 - 25% | | Xi-Irritant, | R36/38, , , , |
| Sulphonated polymer | Polymer | 1 - 5% | Polymer not listed | Nil hazard, | , , , , |
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3. HAZARDS IDENTIFICATION



Physical / chemical hazards: Nil hazard

Environmental Hazards: Nil

Human health hazards: Nil

4. FIRST AID MEASURES

Ingestion: No known ill effects.

Drink plenty of water. Do not induce vomiting.

Inhalation: No known ill effects

Not applicable

Skin contact: No known ill affects

Wash with soap and water. Remove contaminated clothing for washing.

Eye contact: No known ill effects.

Immediately rinse eye with sterile water for 10 minutes.

Notes to doctor: None

5. FIRE FIGHTING MEASURES

Flammability: Non-flammable
Extinguishing media: Water spray jet, extinguishing powder or foam, carbon dioxide .
Unsuitable extinguishing media: None
Hazardous decompositions: Sulphur dioxide (SO₂) and sulphur trioxide (SO₃).
Protective equipment: Protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear full protective equipment - gloves, eye/face protection and overalls. Ensure sufficient air supply.
Environmental precautions: Do not allow to enter water courses.
Methods of clean up: Spillages can be flushed to drain.

7. HANDLING AND STORAGE

Handling: No special precautions. Before eating, drinking or smoking wash hands with soap and water.
Storage: Store above 10 C. Do not allow to freeze. Ensure that the container is firmly secure when not in use.
Shelf life: >12 months
Suitable packaging: Polyethylene, polypropylene and stainless steel containers.
Unsuitable packaging: Metals and alloys.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits: Substance: No materials present that are listed in EH40/2005.
Long term WEL (8 Hr): ppm mg/m³
Short term WEL (15 min): ppm mg/m³
Engineering measures: None
Respiratory protection: Not applicable.
Skin, hand and body protection: Overalls, boots and rubber gloves.
Eye protection: Chemical goggles or face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Solution Boiling point (C): >100 C
Colour: Straw coloured Decomposition temp (C): Decomposes on heating
Odour: Slight Specific Gravity: 1.183
Molecular weight: Solubility: Completely miscible
pH: 4.5 - 6.0 Flash point (C):

10. STABILITY AND REACTIVITY

- Stability: Stable under normal conditions.
- Thermal decomposition: Decomposes on heating
- Conditions to avoid: Prolonged excessive heat may cause product decomposition.
- Materials to avoid: Normally unreactive.
- Hazardous reactions: No known hazardous reactions.
- Decomposition products: Sulphur dioxide (SO₂) and sulphur trioxide (SO₃).

11. TOXICOLOGICAL INFORMATION (of hazardous constituents)

| | | | | |
|-----------------|-------------|--------------------------|-------------------|------------|
| Acute toxicity: | Oral; | Sodium hexametaphosphate | LD50 (oral/rat) | 2900 mg/kg |
| | Dermal: | Sodium hexametaphosphate | LD50 (dermal/rat) | 7250 mg/kg |
| | Inhalation: | Nil hazard | | |
| | Eye: | Nil hazard | | |

Other data:

12. ECOLOGICAL INFORMATION

Biodegradability and persistence: Fully biodegradable.

Ecotoxic effects: The polymers will contribute to the BOD and COD of the receiving waters - no data available.

Other data: The sodium hexametaphosphate hydrolyses in the receiving water to orthophosphate which may act as a nutrient for plants and algae.

13. DISPOSAL CONSIDERATIONS

Methods of disposal: Small quantities can be disposed of via a foul drain. Larger quantities should be handled by a licensed contractor in accordance with Waste Disposal Regulations.

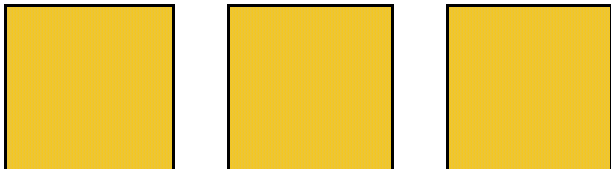
Packaging disposal: Return empty containers to the supplier for recycling or destroy by cutting up or by incineration. Do not use for potable water.

14. TRANSPORT INFORMATION

UN No.: N/A Proper shipping name: PROPER SHIPPING NAME - Nil hazard for transport

| Mode | Regulation | Class | Packing group | Ems No. | Stowage | Code | Subsidiary risk |
|-----------|--------------------|-------|---------------|---------|---------|------|-----------------|
| Road/Rail | European - ADR/RID | N/A | N/A | | | | |
| Sea | IMO / IMDG | | | | | | |
| Air | ICAO / IATA | | | | | | |

15. REGULATORY INFORMATION (Classification and labelling according to UK CHIP Regs/EEC Directive 88/379/EEC)



Risk Phrases

N1 Non-hazardous material - CHIP regulations do not apply.

Safety phrases

16. OTHER INFORMATION

The above information is based on current knowledge at the time of publication and is given in good faith. Accepta Ltd implies no warranty as to the suitability of the product for any purpose other than that outlined on the Product Data Sheet.

The information contained in this MSDS does not constitute an assessment of work place risks. The customer should undertake a formal COSHH assessment which should ensure that employees are aware of the hazards / precautions detailed in the MSDS. The COSHH assessment should ensure that the recommended safety equipment is available and where applicable, that the exposure limits detailed in section 8 are not being exceeded.

References: The Carriage of Goods by Road and Rail Regulations.
The Control of Substances Hazardous to Health Regulations (COSHH).
The Chemicals Hazard Information and Packaging Regulations (CHIP).