

Product name ACCEPTA 2651

# Safety Data Sheet

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

### Identification

Product name: ACCEPTA 2651

Type of product Preparation

### Use of the substance or preparation

Reverse Osmosis Antiscalant

### Company/Undertaking Identification

ACCEPTA LTD  
Statham House, Talbot Road  
Manchester M32 0FP  
United Kingdom.  
Tel.: +44 (0) 161 877 2334

### Emergency telephone

+44 (0) 161 877 2334

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Composition

<u>Substance</u>	<u>CAS No.</u>	<u>EC No.</u>	<u>EC Classification</u>	<u>% w/w</u>
<sup>1</sup> phosphonic acid compound water	7732-18-5	231-791-2		>=24,0 - <=26,0 % %

<sup>1</sup> The specific chemical identity and/or concentration is being withheld because it is trade secret information of Accepta  
See Section 16 for full text of R-phrases

## 3. HAZARDS IDENTIFICATION

### Classification of the substance/preparation

EU Dangerous Preparations Directive 1999/45/EC.  
Not classified as dangerous  
Index Number (Annex I):

### Human health effects

---

On the basis of available information, this material is not expected to produce any significant adverse health effects when recommended use instructions are followed.

**Environmental effects**

On the basis of available information, this material is not expected to produce any significant adverse environmental effects when recommended use instructions are followed.

## **4. FIRST AID MEASURES**

**General**

Wash clothing before reuse.

**Eye contact**

Rinse immediately with plenty of water.  
Continue for at least 15 minutes.  
Obtain medical advice if there are persistent symptoms.

**Skin contact**

Wash with plenty of water.  
Obtain medical advice if there are persistent symptoms.

**Inhalation**

Remove patient to fresh air.

**Ingestion**

Give water to drink.  
Obtain medical advice.

## **5. FIRE FIGHTING MEASURES**

**Extinguishing media**

Water spray, foam, dry chemical, or carbon dioxide

**Exposure hazards**

None known

Combustion products:  
carbon monoxide (CO), carbon dioxide, nitrogen oxides (NO<sub>x</sub>), phosphorus oxides (P<sub>x</sub>O<sub>y</sub>)

**Protective equipment**

Firefighters, and others exposed, wear self-contained breathing apparatus.  
Equipment should be thoroughly decontaminated after use.

## **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

Use personal protection recommended in section 8.

---

## **Environmental precautions**

Keep out of drains and water courses.

## **Methods for cleaning up**

Contain large spills with dikes and transfer the material to appropriate containers for reclamation or disposal. Absorb remaining material or small spills with an inert material and then place in a chemical waste container. Flush spill area with water.

# **7. HANDLING AND STORAGE**

## **Handling**

Good industrial practice in housekeeping and personal hygiene should be followed. Wash hands thoroughly after handling or contact.

## **Engineering measures**

Provide natural or mechanical ventilation to minimize exposure. If practical, use local mechanical exhaust ventilation at sources of air contamination such as processing equipment.

## **Storage**

Freeze sensitive.

Stable under normal conditions of handling and storage.

Use these materials for equipment                      stainless steel grade, glass lining, polypropylene, glass reinforced plastic, polyethylene

Unsuitable materials of construction                      carbon steel, aluminium

# **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

## **Occupational exposure limit**

No specific occupational exposure limit has been established.

## **Respiratory protection**

Avoid breathing vapour or mist.

Use approved respiratory protection equipment when airborne exposure is excessive.

Consult the respirator manufacturer to determine the appropriate type of equipment for a given application.

Observe respirator use limitations specified by the manufacturer.

## **Hand protection**

Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice. Wearing protective gloves is recommended. Consult the glove/clothing manufacturer to determine the appropriate type glove/clothing for a given application.

## **Eye protection**

Does not cause significant eye irritation or eye toxicity requiring special protection.

Use good industrial practice to avoid eye contact.

---

### Skin protection

Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice.

Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information

**Form:** liquid  
**Colour:** pale yellow  
**Odour:** ammonia-like

### Important health, safety and environmental information

**pH:** 10 - 11 @ 25 C

**Flash point:**

Non flammable aqueous solution

**Specific gravity:** 1,35 @ 15,5 C

**Water solubility:** soluble in water

**Partition coefficient n-octanol/water (log Pow) :** -3,5 @ 20 C

### Other information

## 10. STABILITY AND REACTIVITY

### Conditions to avoid

None known

### Materials to avoid

Attacks many metals.  
Hazardous polymerization does not occur.

### Hazardous decomposition products

Decomposition products: carbon monoxide (CO), carbon dioxide, nitrogen oxides (NOx), phosphorus oxides (PxOy)

## 11. TOXICOLOGICAL INFORMATION

This product has not been tested for toxicity, but data obtained on similar products are summarised below :

### Acute animal toxicity data

**Oral** LD50 ,rat, > 5.000 mg/kg ,

**Dermal** LD50 , rabbit, > 5.000 mg/kg ,

**Eye irritation** rabbit, Slightly irritating to eyes but not sufficient for classification. 24 h

---

**Skin irritation**

rabbit, Not classified as irritating to skin. 24 h

## 12. ECOLOGICAL INFORMATION

This product has not been tested for environmental toxicity, but data obtained on similar products are summarized below :

**Environmental Toxicity:**

Invertebrates	48 h EC50	Water flea (Daphnia magna) > 100 mg/l
Fish	96 h LC50	Rainbow trout (Oncorhynchus mykiss) > 100 mg/l
Algae	96 h EC50	Algae (Selenastrum capricornutum) > 10 mg/l Algal growth inhibition is due to ability of this product to complex materials not to toxicity per se.

**Environmental fate**

ThOD (Theoretical oxygen demand)	114 mg/g
Biodegradation	Biodegrades slowly in the environment. Adsorbs to sludge.

## 13. DISPOSAL CONSIDERATIONS

All local and national regulations should be followed.  
Burn only in proper incinerator.

## 14. TRANSPORT INFORMATION

**ROAD/RAIL**

**Other** Not regulated for transport.

**SEA**

Not regulated for transport.

**AIR**

Not regulated for transport.

## 15. REGULATORY INFORMATION

**EC label**

EU Dangerous Preparations Directive 1999/45/EC.

None.

**Contains:****Other regulation**

Germany - WGK (Wassergefährdungsklasse) : 1

---

## 16. OTHER INFORMATION

### R-phrases

Number format: "," used as decimal separator.

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Accepta makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Accepta be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

---