

Safety Data Sheet

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

Identification

Product name: Disperso 370

Type of product Preparation

Use of the substance or preparation

Complexing agents

Company/Undertaking Identification

Advanced Watertek LLC
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Dubai
United Arab Emirates
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Emergency telephone

+971-4-3333100

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>
¹ phosphonic acid compound	6419-19-8	229-146-5		>=24,0 - <=26,0 %
water	7732-18-5	231-791-2		%

¹ The specific chemical identity and/or concentration is being withheld because it is trade secret information of the manufacturer.

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_x), phosphorus oxides (P_xO_y)

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 (<i>Daphnia magna</i>)	> 100 mg/l
Fish	96 h LC50	Rainbow trout (<i>Oncorhynchus mykiss</i>)	> 100 mg/l
Algae	96 h EC50	Algae (<i>Selenastrum capricornutum</i>)	> 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: