



**Material
Safety Data Sheet**
ACCORDING TO REGULATION (EU)
NO. 1907/2006, ANNEX II WATER ADDI
TIVE FIRE EXTINGUISHER
MSDS NO.: AJT181218487E

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Water additive fire extinguisher
Product Use: Fire extinguisher

Supplier Information

Company Name: ZHEJIANG ORIENTX FIRE SAFETY EQUIPMENT CO., LTD.
Address: WUCHEYAN, YUYAO, NINGBO, CHINA, 315466
Tel: 0086-574-62003911
Fax: 0086-574-62003934
Email: elsa@orientxfire.com
Emergency Telephone: 0086-574-62003911

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Hazard Identification H319

Hazard Classes/Categories Eye Irrit. 2

2.2 Label elements

Signal word Warning

2.3 Hazard pictogram



2.3 Hazard statement(s)

H319: May cause skin and eye irritation.

2.4 Precautionary statements

Potential Chronic Health Effects:

Not available.

Carcinogenic effects:

Mutagenic effects: Not available.

Teratogenic effects: Not available.

Developmental toxicity: Not available.

3. COMPOSITION/INFORMATION ON INGREDIENTS



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Substance/Preparation: Preparation

Ingredients Name	Content/%	CAS No.	EINECS No.	Classification (67/548/EEC)	Classification (1272/2008/EC)
Barrel material (carbon steel)	-	-	-	-	-
Water	25	7732-18-5	231-791-2	-	-
Sodium bicarbonate	5	144-55-8	205-633-8	-	-
Potassium chloride	0.5	7447-40-7	231-211-8	Xi, R36	-
Urea	4.5	57-13-6	200-315-5	-	-
Calcium chloride	10	10043-52-4	233-140-8	Xi, R36	Eye Irrit. 2 H319
Ammonium phosphate	5	10361-65-6	233-793-9	-	-
Hydrocarbon Surfactants	50	-	-	-	-

Note:

- 1: This MSDS is prepared mainly according to solution inside the extinguisher.
- 2: This MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Call a physician.

Inhalation: Remove to fresh air.

Skin: Rinse with water. Wash with soap and water. Contaminated clothing should be washed before re-use.

Eyes: Rinse with water. Call a physician.



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5. FIRE FIGHTING MEASURES

General Hazards: None known.

Fire Fighting Equipment: Self-contained breathing apparatus.

Fire Extinguishing Media: Water, Foam, Carbon Dioxide, Dry Chemical, And Halon

Fire and Explosion Hazards: Decomposition products may be toxic. Hazardous Combustion Products: oxides of nitrogen, sulfur and carbon

6. ACCIDENTAL RELEASE MEASURES

Contain spills. Vacuum or pump into storage containers, absorb smaller quantities with absorbent materials, and dispose of properly. Washing area with water will create large amounts of foam.

Dispose of released and contained material in accordance with local, state, and federal regulations. Release to local waste treatment plant only with permission.

7. HANDLING AND STORAGE

Store in original container, or appropriate end-use device. Store at temperatures of 2 - 50 degrees C. If the material freezes, it may be thawed without loss of performance.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eye Protection: Wear side-shield safety glasses.

Skin Protection: Wear latex gloves.

Respiratory Protection: Use organic vapor respirator if needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance: Liquid.

Odor: Odorless.

Taste: Not available.

Molecular Weight: -

Color: Slight yellow

pH (1% soln/water): 6-7 [Neutral.]

Boiling Point: ~100°C (212°F)

Melting Point: Not available.

Critical Temperature: Not available.



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Specific Gravity: 1.25-1.3 (Water = 1)

Vapor Pressure: Not available.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not applicable

Solubility: 100% soluble in water

10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: Strong oxidizers

Hazardous Polymerization: Will not occur.

Decomposition Products: Oxides of nitrogen, sulfur, carbon.

11. TOXICOLOGICAL INFORMATION

Eye Irritation: (Rabbits) mild irritant

Skin Irritation: (Rabbits) minimal irritant

Inhalation Toxicity: not evaluated

Sensitization: not evaluated

Teratology: not evaluated

Mutagenicity: not evaluated

Reproduction: not evaluated

Acute Oral Effects (Rats): not evaluated

12. ECOLOGICAL INFORMATION

Ecotoxicity

Data for Component: **Calcium chloride**

Material is practically non-toxic to aquatic organisms on an acute basis

(LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).

Fish Acute & Prolonged Toxicity

LC50, bluegill (*Lepomis macrochirus*): 8,350 - 10,650 mg/l

Aquatic Invertebrate Acute Toxicity



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LC50, water flea Daphnia magna: 759 - 3,005 mg/l

Toxicity to Micro-organisms

EC50; activated sludge, respiration inhibition: > 1,000 mg/l

Mobility in soil

No relevant studies identified.

Persistence/Degradability

No relevant studies identified.

Bio accumulative Potential

No relevant studies identified.

Other adverse effects

No relevant studies identified.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of container in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

DOT CFR 172.101 Data Fire extinguishers, 2.2, UN1044

UN Proper Shipping Name Fire extinguishers

UN Class UN1044

UN Number (2.2)

UN Packaging Group Not applicable

Classification for AIR Transportation (IATA) Consult current IATA Regulations prior to shipping by air.

Classification for Water Transport IMDG Consult current IMDG Regulations prior to shipping by water.

15. REGULATORY INFORMATION

All ingredients are on the TSCA inventory.

No components are reportable under SARA Title III, sec. 313

No components are priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15). No components are reportable under CERCLA.

16. OTHER INFORMATION

Risk phrases in section 3:



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R36: Irritating to eyes.

Full text of H-Statements referred to under sections 3:

H319: Causes serious eye irritation.

Issue Date: 2018-12-18

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. We make no representation as to completeness or accuracy. In no event we shall be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

* * * END OF MSDS * * *