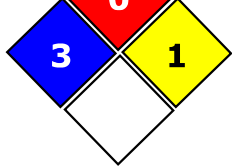




# Safety Data Sheet

<b>AQUA-SHIELD 620</b>	<b>NFPA Rating</b> 
SDS No: 04:01:01:06:02      Rev 28-May-15    Rev 04	

Section1. Chemical Product & Company Identification	NFPA	
Company contacts : Batam, Indonesia 29433	Health 3	0- Minimum
Emergency contact : +62 811 3037 533	Fire 0	1- Slight
	Reactivity 1	2- Moderate
Product use : Boiler Blends	Special	3- Serious
		4- Extreme

Section 2. Hazard Information			
<b>GHS Symbols :</b>			
	<b>Danger</b> Causes severe eye damage and skin burns		<b>Toxic</b> Toxic if swallowed Toxic if inhaled
<b>Potential Health Effects</b>			
Eyes	: Can cause permanent eye injury. Symptoms include stinging, tearing, redness, and swelling of eyes. Can injure the cornea and cause blindness.		
Skin	: Can cause permanent skin damage. Symptoms may include redness, burning, and swelling of skin, burns, and other skin damage.		
Swallowing	: Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation (nausea, vomiting, and diarrhea), abdominal pain, and vomiting of blood.		
Inhalation	: Breathing this material may be harmful or fatal.		

Section 3. Composition	CAS RN No (s) :
Scale inhibitor polymeric chemicals	None

Section 4. First Aid Measures	
Eyes	: Immediately flush eyes gently with water for at least 15 minutes while holding eyelids apart. Seek immediate medical attention.
Skin	: Immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Seek immediate medical attention
Swallowing	: Do not induce vomiting. Immediately rinse mouth with water and give milk or water to drink. Seek immediate medical attention.
Inhalation	: Immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet.

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## Section 5. Fire Fighting Measures

Extinguishing Media	:	Regular foam, water fog, carbon dioxide, dry chemical.
Exposure Hazard	:	No special fire hazards are known to be associated with this product.
Protective Equipment	:	Wear a self-contained breathing apparatus with a full face piece and, chemical resistance personal protective equipment

## Section 6. Accidental Release Measures

Personal Precaution	:	Avoid contact with skin, eyes and clothing.
Environmental Precaution	:	No data
Clean up Methods	:	Small spill : Absorb liquid on vermiculite, floor absorbent or other absorbent material. Scoop or scrape up. Put in container for recovery or disposal.  Large spill : Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers

## Section 7. Handling & Storage

Handling	:	Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.
Storage	:	Store in closed containers in a dry, well-ventilated area. Keep from freezing.

## Section 8. Exposure Controls & Personal protection

Personal Protection	:	Avoid contact, wear gloves, safety glasses and overalls.
Respiratory Protection	:	Only a NIOSH/MSHA approved respirator and cartridge (TC-23C) is to be used.
Eye Protection	:	Chemical splash goggles and face shield (8" min.) in compliance with OSHA regulations are advised.

## Section 9. Physical & Chemical Properties

Appearance	:	Dark Brown Liquid
Odor	:	Not determined
pH	:	12.0 - 14.0
Boiling Pointer	:	for component) 212.0 F (100.0 C) @ 760 mmHg
Melting Point	:	No data
Flash Point	:	No data
Explosive Properties	:	No data
Vapor Pressure	:	(for component) 17.500 mmHg @ 68.00 F
Density	:	1.0 - 1.2 kg/l @ 20.00 C

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## Section 10. Stability & Reactivity

Conditions to Avoid	: The product is stable.
Materials to Avoid	: Avoid contact with: copper, reactive metals such as aluminum and magnesium, strong mineral acids, strong oxidizing agents.
Hazardous Decomposition Products	: May form: carbon dioxide and carbon monoxide, sodium oxide.

## Section 11. Toxicological Information

Acute oral LD50 (rat)	: 3030 mg/kg
Acute inhalation LC50 (rat)	: Not available
Acute dermal LD50 (rat)	: >5000 mg/kg

## Section 12. Ecological Information

Ecotoxicity data	: Ecotoxicological Information 96 hr LC50 rainbow trout 3536.0 mg/l, 96 hr LC50 fathead minnow 2031.0 mg/l, 48 hour LC50 Daphnia magna 3536.0 mg/l.
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## Section 13. Disposal Considerations

Dispose of in accordance with all applicable local, state and federal regulations

## Section 14. Transport Information

UN Number	: Not classified
Packaging Group	: None
Dangerous Good Class	: Not allocated
Subsidiary Risk	: None
Hazchem Code	: None
Poison Schedule Number	: None

## Section 15. Regulatory information

Other Regulations:  
National Fire Protection Association (U.S.A.):  
Health: 3  
Flammability: 0  
Reactivity: 1

## Section 16. Other Information

References: Not available.  
Other Special Considerations: Not available.