

# Material Safety Data Sheet

## Aqua Care 208

### 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

**Product Name:** Aqua Care 208  
**Application:** Polymer: Combined antiscalant & antifoulant for cooling water systems  
**SKIN CONTACT:** Remove contaminated clothing. Wash off affected area immediately with soap and plenty of water.  
**First Aid Identification:** Kaswa Chemical  
Faisalabad  
Ph No 0418863355  
Cell No 03009659305  
**EYE CONTACT:** Immediately gently irrigate with clean water for at least 15 minutes. Move eyeball and keep eyelids wide open and apart whilst irrigating. Obtain medical attention.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**INGESTION:** If conscious wash out mouth and give 500ml of water to drink. Obtain medical attention.  
**Chemical Description:** Preparation containing: Phosphonate and Carboxylate in aqueous solution

**HAZARDOUS INGREDIENTS:** This product is not classified as hazardous (European Directive 88/379/EEC)

### 3. HAZARD IDENTIFICATION

**HUMAN HEALTH HAZARDS:** Acute  
**INHALATION:** Can cause mild irritation  
**SKIN CONTACT:** May cause irritation with prolonged contact  
**EYE CONTACT:** Can cause mild irritation  
**INGESTION:** Can cause mild irritation  
**ENVIRONMENTAL HAZARDS:**  
**PHYSICAL AND CHEMICAL HAZARDS:**

### 4. FIRST AID MEASURES

**INHALATION:** Remove to fresh air, rest, treat symptomatically. Obtain medical attention.  
**SKIN CONTACT:** Remove contaminated clothing. Wash off affected area immediately with soap and plenty of water.  
**EYE CONTACT:** Immediately gently irrigate with clean water for at least 15 minutes. Move eyeball and keep eyelids wide open and apart whilst irrigating. Obtain medical attention.  
**INGESTION:** If conscious wash out mouth and give 500ml of water to drink. Obtain medical attention.

## 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water, dry powder, carbon dioxide, foam

FIRE AND EXPLOSION HAZARD: Oxides of nitrogen, Oxides of nitrogen, Oxides of phosphorus, Oxides of carbon

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTING: In case of fire, wear a full face positive-pressure self contained breathing apparatus and protective suit

## 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. Use personal protective equipment recommended in Section 8

ENVIRONMENTAL PRECAUTIONS: Do not allow to enter sewers or water courses. If spillage does enter sewers or water courses, immediately inform the appropriate water authorities.

METHODS FOR CLEANING UP:

Clean contaminated surfaces with water or aqueous cleaning agents.

Small spills: Soak up with inert absorbent material. Clean up promptly by scoop or vacuum.

Large spills. Sweep up and shovel. Reclaim into recovery or salvage drums.

## 7. HANDLING AND STORAGE

HANDLING: Avoid contact with skin and eyes. Freezing will affect the physical condition but will not change the material. Thaw and mix before using.

STORAGE CONDITIONS: Keep in dry, cool place. Storage for more than one year is not recommended.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS: None

ENGINEERING MEASURES: None

RESPIRATORY PROTECTION: Not normally needed. If significant mists, vapours or aerosols are generated an approved respirator is recommended.

HAND PROTECTION: Impervious gloves

SKIN PROTECTION: Standard protective clothing.

EYE PROTECTION: Chemical splash goggles.

HYGIENE RECOMMENDATIONS: Keep an eye wash fountain available. Keep a safety shower available. Wash hands at breaks and at the end of the shift. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

NOTE: These physical properties are typical values for this product

FORM: Liquid

COLOUR: Light yellow

ODOUR: Neutral

BOILING POINT: > 100 °C OECD/Prüfrichtl

MELTING POINT: appr. - 10 °C OECD/Prüfrichtl

FLASH POINT: None

RELATIVE DENSITY: appr. 1,26 g/cm<sup>3</sup> OECD/Prüfrichtl

SOLUBILITY IN WATER: Complete

pH (20 °C ) appr. 6,0

pH (10 g/l H<sub>2</sub>O, 20 °C ) appr. 7,0

VISCOSITY (20 °C ) appr. 50 cps mPa.s

FREEZING POINT: appr. - 10 °C

## 10. STABILITY AND REACTIVITY

STABILITY: Stable under ambient conditions. No degradation if used as prescribed

CONDITIONS TO AVOID: Low temperatures.

MATERIALS TO AVOID: Strong Bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of nitrogen, Oxides of sulphur, Oxides of phosphorus, Oxides of carbon (under fire conditions).

## 11. TOXICOLOGICAL INFORMATION

Please refer to section 3 for hazards identification.

ACUTE TOXICITY DATA:

ACUTE LETHALITY VALUES:

Oral (rat): LD<sub>50</sub> = > 16,0 g/kg

PRIMARY (DRAIZE TEST) SKIN/EYE:

skin 0.0/8.0;

eyes 4.7/110.0 ; Can cause mild irritation

## 12. ECOLOGICAL INFORMATION

PERSISTENCY AND DEGRADATION:

Chemical Oxygen Demand (COD) 296 mg O<sub>2</sub> uptake / g product

Biological Oxygen Demand (BOD<sub>5</sub>) 98 mg O<sub>2</sub> uptake / g product

Abiotic degradation: The product may be degraded via abiotic processes

Biological degradation: 52% Modified OECD screening test

ECOTOXICOLOGICAL EFFECTS:

Fish: LC<sub>50</sub>/96H/Oncorhynchus Mykiss (Rainbow Trout)= > 3400 ppm

Daphnia magna: LC<sub>50</sub>/24H/Daphnia magna (Water Flea) = > 1300 ppm

Algae: EC<sub>50</sub>/96H/Selenastrum capricornutum (Green Algae)= 113,4 g/l (OECD-201)

Bacteria: EC<sub>50</sub>/Pseudomonas Putida = 378,0 g/l (DEV L3)

ADDITIONAL ECOLOGICAL DATA: Behaviour in municipal sewage treatment plants: Discharge in minor quantity into adapted biological units of sewage treatment plants is not expected to affect the efficiency of the activated sludge process. AOX information: Product contains no organic halogens

## 13. DISPOSAL CONSIDERATIONS

Via authorized contractor. If this product becomes a waste, the final user must define and assign the appropriate European Waste Catalogue code.

NATIONAL REGULATIONS UK In accordance with the Environmental Protection ( Duty of Care) Regulations 1991

## 14. TRANSPORT INFORMATION

Class: Not regulated

## 15. REGULATORY INFORMATION

CLASSIFICATION:

HAZARD SYMBOL: Not applicable

Contains: --

RISK PHRASES: This product is not classified as hazardous (European Directive 88/379/EEC).

SAFETY PHRASES: S7 Keep container tightly closed. S37/39 Wear suitable gloves and eye/face protection. S24/25 Avoid contact with skin and eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

NATIONAL REGULATIONS GERMANY Not classified according to regulations for hazardous materials

VbF-Klasse: None

WHG-WGK: 1 Classification according VwVwS v. 17.05.99, Anhang 4

StörfallIVO: /12.BImSchV.Liste d. Anh. II): -

TA-Luft: -

Hinweise zur Beschäftigungsbeschränkung: None

Berufsgenossensch. Vorschriften: None

NATIONAL REGULATIONS UK COSHH regulations apply

NATIONAL REGULATIONS SWITZERLAND BAGT-Nr: 611500; Toxic class: frei