



Material Safety Data Sheet

Accepta 2025

Date issued: 01-06-2004

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Product Name:	ACCEPTA 2025
Application:	Silicate based corrosion inhibitor cooling water treatment
Company Identification:	Accepta Ltd. Quay West Trafford Wharf Road Manchester M17 1HH United Kingdom
Office telephone number:	+44 (0) 161 240 2100
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Emergency Telephone Number:	+44 (0) 161 240 2100

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL DESCRIPTION: Water, Polymer, Tetrapotassium (1-hydroxyethylidene) biphosphonate, Potassium hydroxide, Potassium tolytriazole, Sodium nitrilotriacetic acid, Tetrapotassium pyrophosphate, Sodium silicate.

HAZARDOUS INGREDIENTS:

CAS NO.	EINECS NO.	CHEMICAL NAME	WT %	SYMBOL	R-PHRASES
14860-53-8	2389285	Tetrapotassium (1-hydroxyethylidene) biphosphonate	1 - 10	C	34, 22
1310-58-3	2151813	Potassium hydroxide	2 - 5	C	22, 35
64665-53-8	2650028	Potassium tolytriazole	0 - 2	C	34
5064-31-3	2257686	Sodium nitrilotriacetic acid	1 - 5	Xn	22, 36
7320-34-5	307857	Tetrapotassium pyrophosphate	1 - 5	Xi	36
1344-09-8	2156874	Sodium silicate	5 - 20	Xi	38,41

3. HAZARD IDENTIFICATION

HUMAN HEALTH HAZARDS: Acute

INHALATION: Corrosive to respiratory system.

SKIN CONTACT: Causes burns.

EYE CONTACT: Causes burns. Risk of serious damage to eyes.

INGESTION: Corrosive, causes burns to gastro-intestinal tract. Nausea, vomiting and stomach pain may occur. In severe cases blood may be vomited.

ENVIRONMENTAL HAZARDS:

PHYSICAL AND CHEMICAL HAZARDS:



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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 plenty of water. If skin irritation persists, obtain medical attention.

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: Do not induce vomiting without medical advice. 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 carbon, Oxides of nitrogen, Oxides of phosphorus. May evolve acid fumes.

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:

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

Clean contaminated surfaces with water or aqueous cleaning agents



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7. HANDLING AND STORAGE

HANDLING: Do not breathe vapour. Avoid contact with skin and eyes. Use with adequate ventilation.

STORAGE CONDITIONS: Keep container tightly closed and dry. Keep container in a well-ventilated place. Store away from direct sunlight.

CONSTRUCTION MATERIAL COMPATIBILITY.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

NATIONAL REGULATIONS UK: Potassium hydroxide: 2 mg/m³ (STEL)

NATIONAL REGULATIONS FRANCE: Potassium hydroxide: VLE 2 mg/m³

NATIONAL REGULATIONS FINLAND: Potassium hydroxide: HTP 2 mg/m³ (8h)

NATIONAL REGULATIONS NORWAY: Potassium hydroxide: TLV 2 mg/m³ (ceiling)

NATIONAL REGULATIONS DENMARK: Potassium hydroxide: GV 2 mg/m³ (ceiling)

ENGINEERING MEASURES: Use general ventilation with local exhaust ventilation.

RESPIRATORY PROTECTION: An approved respirator must be worn if the occupational exposure limit is likely to be exceeded. Wear a cartridge respirator, filter-type P3.

HAND PROTECTION: Nitrile gloves, Viton gloves. Most glove materials are of low chemical resistance. Replace gloves regularly.

SKIN PROTECTION: Standard protective clothing.

EYE PROTECTION: Apron and boots. A full slicker suit is recommended if gross exposure is possible.

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: Yellow

RELATIVE DENSITY: 1.27

SOLUBILITY IN WATER: Miscible

pH 13

Abbreviation: NE = not evaluated, NA = not applicable, NR = not relevant



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10. STABILITY AND REACTIVITY

STABILITY: Stable under ambient conditions.

CONDITIONS TO AVOID: Extremes of temperature.

MATERIALS TO AVOID: Oxidizing agents, Acids.

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

11. TOXICOLOGICAL INFORMATION

Hazard classification is based on 88/379/EEC, 67/548/EEC and available ingredient toxicity data. Please refer to section 3 for hazards identification.

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ACUTE TOXICITY DATA:

ACUTE LETHALITY VALUES:

PRIMARY (DRAIZE TEST) SKIN/EYE:

12. ECOLOGICAL INFORMATION

No data available on the product.

PERSISTENCY AND DEGRADATION:

MOBILITY AND BIOACCUMULATION POTENTIAL:

ECOTOXICOLOGICAL EFFECTS:

ADDITIONAL ECOLOGICAL DATA:



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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. Special Waste Regulations 1996 apply.

14. TRANSPORT INFORMATION

Class: 8 Packing Group: III UN No. 1760
Proper shipping name: CORROSIVE LIQUID, N.O.S. Contains:: Potassium hydroxide, Tetrapotassium (1- hydroxyethylidene) biphosphonate
ADR/RID, H.I.n.: 80
ADR/RID, No: 66 c)
IMDG Page 8147
EmS-Nr.: 8-15
MFAG-Nr.: 760

15. REGULATORY INFORMATION

CLASSIFICATION:
HAZARD SYMBOL: c, Corrosive



C, CORROSIVE

Contains: Potassium hydroxide, Tetrapotassium (1-hydroxyethylidene) biphosphonate, Potassium tolyltriazole, Sodium silicate

RISK PHRASES: R34 Causes burns.

SAFETY PHRASES: 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. S28 After contact with skin, wash immediately with plenty of water. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

NATIONAL REGULATIONS UK COSHH regulations apply. A precaution card is available and should be displayed wherever this product is used and stored (Ref.C).



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16. OTHER INFORMATION

Emergency Telephone Number +44 (0) 161 240 2100