



Material Safety Data Sheet

Accepta 2094

Date issued: 01-06-2004

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Product Name:	ACCEPTA 2094
Application:	Polyphosphate scale & corrosion inhibitor for once through systems - 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
Office fax number:	+44 (0) 870 135 6389
Emergency Telephone Number:	+44 (0) 161 240 2100

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL DESCRIPTION:
Water, Phosphate, Carbonate

HAZARDOUS INGREDIENTS: This product is not classified as dangerous (European Directive 88/379/EEC, 1999/45/EC).

CAS NO.	EINECS NO.	CHEMICAL NAME	WT %	SYMBOL	R-PHRASES
497-19-8	2078388	Sodium carbonate	1 - 5	Xi	36

3. HAZARD IDENTIFICATION

This product is not classified as dangerous (European Directive 88/379/EEC, 1999/45/EC).

HUMAN HEALTH HAZARDS - ACUTE:

INHALATION:
May cause mild irritation.

SKIN CONTACT:
May cause irritation with prolonged contact.

EYE CONTACT:
May cause irritation with prolonged contact.

INGESTION:
May cause mucosal damage. May cause nausea and vomiting.

ENVIRONMENTAL HAZARDS
High phosphate levels in surface water can cause eutrophication with subsequent algal blooms and oxygen depletion.



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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 washout mouth and give one pint of water to drink. Obtain medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use extinguishing media appropriate for surrounding fire.

FIRE AND EXPLOSION HAZARD

May evolve oxides of phosphorus under fire conditions.

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. Ensure adequate

ventilation. 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: Dam up. Reclaim into recovery or salvage drums.



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7. HANDLING AND STORAGE

HANDLING:

Avoid contact with skin and eyes. Use with adequate ventilation.

STORAGE CONDITIONS:

Protect from freezing. Keep in a cool, well-ventilated place. Storage for more than one year is not recommended.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

None

ENGINEERING MEASURES General ventilation is recommended.

RESPIRATORY PROTECTION: If significant mists, vapours or aerosols are generated an approved respirator is recommended. Wear a cartridge respirator, filter-type B.

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

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: Colourless

ODOUR: None

VALUE UNIT TEST METHOD

BOILING POINT: 100 °C ASTM D-86:

RELATIVE DENSITY: 1.24 (25 °C) °C ASTM D-1298

SOLUBILITY IN WATER: Complete

pH (neat, 20°C): 8.5 - 10.0 ASTM E-70

VISCOSITY (25 °C): 15 Max cps ASTM D-2983

FREEZING POINT: -1 °C ASTM D-1177

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:

Freezing temperatures.

MATERIALS TO AVOID:

None known.

HAZARDOUS DECOMPOSITION PRODUCTS:

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.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL EFFECTS:

LC50/96H/Lepomis macrochirus (Bluegill Sunfish)= > 1000 mg/l

LC50/96H/Oncorhynchus Mykiss (Rainbow Trout)= 880 mg/l

ADDITIONAL ECOLOGICAL DATA:

High phosphate levels in surface water can cause eutrophication with subsequent algal blooms and oxygen depletion.



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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.

NATIONAL REGULATIONS AUSTRIA

Waste Code: 51503

14. TRANSPORT INFORMATION

Class: Not regulated

15. REGULATORY INFORMATION

CLASSIFICATION:

HAZARD SYMBOL: Not applicable.

Contains: --

RISK PHRASES:

This product is not classified as dangerous (European Directive 88/379/EEC, 1999/45/EC).

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.

Safety data sheet available for professional user on request.

NATIONAL REGULATIONS GERMANY

VbF-Klasse: None

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

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

TA-Luft: -

Berufsgenossensch. Vorschriften: None

Hinweise zur Beschäftigungsbeschränkung: None

NATIONAL REGULATIONS UK

COSHH regulations apply.

This product is approved by the United Kingdom Drinking Water Inspectorate for use as a scale and corrosion inhibitor in systems in connection with drinking water supply, under specific conditions

NATIONAL REGULATIONS SWITZERLAND

BAGT-Nr: 621000

Toxic class: frei



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16. OTHER INFORMATION

Emergency Telephone Number +44 (0) 161 240 2100