



Material Safety Data Sheet

Accepta 2092

Date issued: 01-06-2004

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Product Name: ACCEPTA 2092
Application: Cooling water treatment

Company Identification: Accepta Ltd.
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2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL DESCRIPTION:

Water, Sodium hydroxide, Sodium 1-hydroxyethylidene-1,1-diphosphonate, Sodium molybdate

HAZARDOUS INGREDIENTS:

CAS NO.	EINECS NO.	CHEMICAL NAME	WT %	SYMBOL	R-PHRASES
1310-73-2	2151855	Sodium hydroxide	10-20	C	35
64665-57-2	2650049	Sodium tolyltriazole	0 - 5	C	22,34
29329-71-3	2495594	Sodium 1-hydroxyethylidene -1,1-diphosphonate	5 - 10	Xi	6/38
7631-95-0	2315517	Sodium molybdate	1 - 5	None	None

3. HAZARD IDENTIFICATION

This product is classified as dangerous (European Directive 88/379/EEC, 1999/45/EC).

HUMAN HEALTH HAZARDS - ACUTE:

INHALATION:

Corrosive to respiratory system.

SKIN CONTACT:

Causes severe burns.

EYE CONTACT:

Causes severe burns. May cause permanent 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.

PHYSICAL AND CHEMICAL HAZARDS:

Gives off hydrogen by reaction with metals.



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4. FIRST AID MEASURES

INHALATION:

Obtain medical attention immediately. Remove to fresh air, rest, treat symptomatically.

SKIN CONTACT:

Speed is essential. Remove contaminated clothing. Wash off affected area immediately with plenty of water. If severe burns have occurred and areas of skin are destroyed, cover the burned area with clean dry non fluffy material and obtain medical attention.

EYE CONTACT:

Obtain medical attention immediately. Speed is essential. Immediately gently irrigate with clean water for at least 15 minutes. Move eyeball and keep eyelids wide open and apart whilst irrigating.

INGESTION:

Obtain medical attention immediately. **Do not induce vomiting without medical advice.** If conscious washout mouth and give one pint of water to drink.

ADDITIONAL INFORMATION

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use extinguishing media appropriate for surrounding fire.

FIRE AND EXPLOSION HAZARD

Oxides of phosphorus, Oxides of carbon, Oxides of nitrogen.

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:

Do not breathe vapour. Avoid contact with skin and eyes. A full slicker suit is recommended if gross exposure is possible. Wear chemical resistant apron, chemical splash goggles, impervious gloves and wellington boots.

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:

Contain and absorb with sand or vermiculite and mix well. Collect up and remove to a safe place until disposal. Wash site of spillage thoroughly with water. Assistance can be obtained from waste disposal companies.

Please refer to Section 13 for disposal considerations.



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7. HANDLING AND STORAGE

HANDLING:

Do not breathe vapour. Prevent contact with skin, eyes and clothing. Use with adequate ventilation. Avoid generating aerosols and mists. Use personal protective equipment recommended in Section 8.

Avoid use of polyester elastomers, brass, aluminium, tin, Zinc and their alloys.

Gives off hydrogen by reaction with metals.

STORAGE CONDITIONS:

Protect from freezing. Keep at temperatures above 4 °C. Keep container tightly closed in a cool, wellventilated place. Store separately from acids. Storage for more than one year is not recommended.

CONSTRUCTION MATERIAL COMPATIBILITY. Compatible with:

Equipment for storage and application should be constructed from stainless steel, cast iron, PVC, polypropylene, polyethylene, acrylic resin, nylon, butyl rubber, nitrile rubber, natural rubber or ethylene propylene rubber.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

NATIONAL REGULATIONS GERMANY

Sodium hydroxide: MAK 2 mg/m³

NATIONAL REGULATIONS UK

Sodium hydroxide: OES 2 mg/m³ (TWA)

Sodium molybdate: OES 5 mg/m³ (as Mo) (TWA), OES 10 mg/m³ (as Mo) (STEL).

NATIONAL REGULATIONS SWITZERLAND

Sodium hydroxide: TWA 2 mg/m³, STEL 4 mg/m³

NATIONAL REGULATIONS FRANCE

Sodium hydroxide: VME 2 mg/m³

NATIONAL REGULATIONS HOLLAND

Sodium hydroxide: MAC 2 mg/m³ C

NATIONAL REGULATIONS SWEDEN

Sodium hydroxide: TGV 2 mg/m³

NATIONAL REGULATIONS FINLAND

Sodium hydroxide: TWA 2 mg/m³

NATIONAL REGULATIONS NORWAY

Sodium hydroxide: TLV 2 mg/m³

NATIONAL REGULATIONS DENMARK

Sodium hydroxide: TWA 2 mg/m³

ENGINEERING MEASURES Use a closed dosing system. 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: PVC gloves, Nitrile gloves. Most glove materials are of low chemical resistance. Replace gloves regularly

SKIN PROTECTION: Apron and boots.

EYE PROTECTION: Chemical splash goggles.

HYGIENE RECOMMENDATIONS:

Keep an eye wash fountain available. Keep a safety shower available. Wash hands during breaks and at 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: Sweet

FLASH POINT: NA

VAPOUR PRESSURE same as water

RELATIVE DENSITY: 1.28-1.32 (20-25°C)

SOLUBILITY IN WATER: Complete

pH > 12

VISCOSITY (24°C) 16 cps

FREEZING POINT: 3.3 °C

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:

Acids. Chlorinated hydrocarbons. Gives off hydrogen by reaction with metals.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of phosphorus, Oxides of carbon, Oxides of nitrogen (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

PERSISTENCY AND DEGRADATION:

Biological Oxygen Demand (BOD 5) = 598 ppm

Chemical Oxygen Demand (COD) = 48000 ppm

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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. Ensure compliance with EC, national and local regulations.

Empty uncleaned packages of this product should be treated as hazardous waste.

NATIONAL REGULATIONS UK

In accordance with the Environmental Protection (Duty of Care) Regulations 1991. Special Waste Regulations 1996 apply.

NATIONAL REGULATIONS AUSTRIA

Waste Code: 52404

14. TRANSPORT INFORMATION

Class: 8 Packing group: II

Sea transport: 8 UN No: 1760

Proper shipping name: CORROSIVE LIQUID, N.O.S.

Contains: Sodium hydroxide, Sodium tolyltriazole

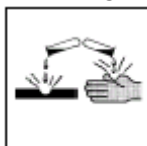
ADR/RID, H.I.n.: 80

EmS-Nr.: 8-15

15. REGULATORY INFORMATION

CLASSIFICATION:

HAZARD SYMBOL: CORROSIVE



C, CORROSIVE

Contains: Sodium hydroxide, Sodium Tolytriazole

RISK PHRASES: R35 Causes severe burns.

SAFETY PHRASES: 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 GERMANY

VbF-Klasse: None

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

TA-Luft: -

Berufsgenossensch. Vorschriften: Take notice of UVV-Chemie

Hinweise zur Beschäftigungsbeschränkung: Observe § 15 of regulations for hazardous substances

NATIONAL REGULATIONS UK

COSHH regulations apply.



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16. OTHER INFORMATION

Relevant Risk Phrases

R35 Causes severe burns. R34 Causes burns. R22 Harmful if swallowed. R36/38 Irritating to eyes and skin.

Emergency Telephone Number +44 (0) 161 240 2100