



**Material Safety Data Sheet**

**Accepta 2013**

Date issued: 01-06-2004

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

Product Name:	ACCEPTA 2013
Application:	pH Adjuster Boiler Water Treatment (Caustic Based)
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, Sodium hydroxide.

HAZARDOUS INGREDIENTS:					
CAS NO.	EINECS NO.	CHEMICAL NAME	WT %	SYMBOL	R-PHRASES
1310-73-2	2151855	Sodium hydroxide	40 - 50	C	35

**3. HAZARD IDENTIFICATION**

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.

ENVIRONMENTAL HAZARDS:

PHYSICAL AND CHEMICAL HAZARDS: Gives off hydrogen by reaction with metals.



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### 4. FIRST AID MEASURES

**INHALATION:** Remove to fresh air, rest, treat symptomatically. Obtain medical attention.  
**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:** 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. 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.

**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:** Not expected to burn. Use extinguishing media appropriate for surrounding fire.

**FIRE AND EXPLOSION HAZARD:** Not applicable.

**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:** 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.



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**7. HANDLING AND STORAGE**

**HANDLING:** Prevent contact with skin, eyes and clothing. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse. Avoid generating aerosols and mists. Avoid use of polyester elastomers, viton, brass, aluminium, copper, Zinc, tin and their alloys.

**STORAGE CONDITIONS:** Protect from freezing. Keep container tightly closed in a cool, well-ventilated 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, carbon steel, cast iron, acrylic resin, butyl rubber, nitrile rubber, neoprene, natural rubber, epoxy resin, ethylene propylene rubber, PVC, polypropylene or polyethylene.

**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

**OCCUPATIONAL EXPOSURE LIMITS**  
 NATIONAL REGULATIONS GERMANY Sodium hydroxide: MAK 2 mg/m<sup>3</sup>  
 NATIONAL REGULATIONS UK Sodium hydroxide: OES 2 mg/m<sup>3</sup> (TWA)  
 NATIONAL REGULATIONS SWITZERLAND Sodium hydroxide: TWA 2 mg/m<sup>3</sup> STEL 4 mg/m<sup>3</sup>  
 NATIONAL REGULATIONS FRANCE Sodium hydroxide: VME 2 mg/m<sup>3</sup>  
 NATIONAL REGULATIONS HOLLAND Sodium hydroxide: MAC 2 mg/m<sup>3</sup> C  
 NATIONAL REGULATIONS SWEDEN Sodium hydroxide: TGV 2 mg/m<sup>3</sup>  
 NATIONAL REGULATIONS FINLAND Sodium hydroxide: TWA 2 mg/m<sup>3</sup>  
 NATIONAL REGULATIONS NORWAY Sodium hydroxide: TLV 2 mg/m<sup>3</sup>  
 NATIONAL REGULATIONS DENMARK Sodium hydroxide: TWA 2 mg/m<sup>3</sup>

**ENGINEERING MEASURES:** Use a closed dosing system. Local exhaust ventilation is recommended where significant aerosols / mists are generated.

**RESPIRATORY PROTECTION:** Respiratory protection not normally needed. An approved respirator must be worn if the occupational exposure limit is likely to be exceeded ( this is unlikely to occur unless significant aerosols / mists are generated ).

**HAND PROTECTION:** PVC gloves, Nitrile gloves, Neoprene gloves or Butyl gloves.

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

**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:** hazy Colourless

**ODOUR:** None

**VAPOUR PRESSURE:** same as water

**RELATIVE DENSITY:** @20°C 1.49 - 1.51

**SOLUBILITY IN WATER:** Complete

pH 14

**FREEZING POINT:** 7 °C



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### 10. STABILITY AND REACTIVITY

STABILITY: Stable under ambient conditions

CONDITIONS TO AVOID: Freezing temperatures.

MATERIALS TO AVOID: Acids. Gives off hydrogen by reaction with metals.

HAZARDOUS DECOMPOSITION PRODUCTS: Not applicable.

### 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: II. UN No. 1824  
Proper shipping name: SODIUM HYDROXIDE, SOLUTION  
ADR/RID, H.I.n.: 80  
ADR/RID, No: 42(b)  
IMDG Page 8226  
EmS-Nr.: 8-06  
MFAG-Nr.: 705

### 15. REGULATORY INFORMATION

CLASSIFICATION:  
HAZARD SYMBOL: c, Corrosive



C, CORROSIVE

Contains: Sodium hydroxide

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 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