



Material Safety Data Sheet

Accepta 2016

Date issued: 01-06-2004

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Product Name:	ACCEPTA 2016
Application:	Boiler Water Treatment – Phosphate/Polymer Blend
Company Identification:	Accepta Ltd. Quay West Trafford Wharf Road Manchester M17 1HH United Kingdom
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Emergency Telephone Number:	+44 (0) 161 240 2100

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL DESCRIPTION:
Water, Polymer, Phosphate, Potassium hydroxide.

HAZARDOUS INGREDIENTS:

CAS NO.	EINECS NO.	CHEMICAL NAME	WT %	SYMBOL	R-PHRASES
1310-58-3	2151813	Potassium hydroxide	15-20	C	22, 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.

HUMAN HEALTH HAZARDS - CHRONIC: None known

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: 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.

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: None known.

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: Avoid contact with skin and eyes.

STORAGE CONDITIONS: Keep container tightly closed in a cool, well-ventilated place. Store separately from acids. Storage for more than two years is not recommended.

CONSTRUCTION MATERIAL COMPATIBILITY: Compatible with:
Equipment for storage and application should be constructed from polypropylene, PVC, nylon, polyethylene or stainless steel.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

NATIONAL REGULATIONS UK Potassium hydroxide: OES 2mg/m³f_{3f} (STEL)
Ammonia: OES 25ppm (TWA), OES 35ppm (STEL)
NATIONAL REGULATIONS SWITZERLAND Potassium hydroxide: TWA 2 mg/m³ (total dust)
NATIONAL REGULATIONS FRANCE Potassium hydroxide: VLE 2 mg/m³
NATIONAL REGULATIONS HOLLAND Potassium hydroxide: MAC TGG 2 mg/m³ (ceiling)
NATIONAL REGULATIONS SWEDEN Ammonia: NGV 25 ppm /18 mg/m³, TGV 50 ppm / 35mg/m³
NATIONAL REGULATIONS FINLAND Ammonia: HTP 18 mg/m³ (8h), 28 mg/m³ (15 min.)
Potassium hydroxide: HTP 2 mg/m³ (8h)
NATIONAL REGULATIONS NORWAY Potassium hydroxide: TLV 2 mg/m³
Ammonia: TLV 25 ppm / 18 mg/m³
NATIONAL REGULATIONS DENMARK Potassium hydroxide: TWA 2 mg/m³ (ceiling)
Ammonia: GV 25 ppm / 18 mg/m³
NATIONAL REGULATIONS AUSTRIA Potassium hydroxide: MAK 2 mg/m³
ENGINEERING MEASURES Potassium hydroxide: MAK 2 mg/m³ exposure guidelines.
RESPIRATORY PROTECTION: An approved respirator must be worn if the occupational exposure limit is likely to be exceeded. Ammonia rich air will be displaced when refilling stock tanks. If it is necessary to remain near to the container at such times and the area is poorly ventilated an approved respirator should be worn. (filter-type K, Green)
HAND PROTECTION: PVC gloves, Nitrile 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: Light yellow
ODOUR: Ammoniacal
FLASH POINT: NA
RELATIVE DENSITY: (25°C) 1.46 - 1.50
SOLUBILITY IN WATER: Complete
pH (neat, 20°C): >13
VISCOSITY (25 °C): 8-16 cps
FREEZING POINT: <-20 °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: None known

MATERIALS TO AVOID: Avoid use of brass, aluminium and their alloys, Acids. Gives off hydrogen by reaction with metals.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

11. TOXICOLOGICAL INFORMATION

Please refer to section 3 for hazards identification.

ACUTE TOXICITY DATA: The following results are for the hazardous ingredients:

ACUTE LETHALITY VALUES:

Potassium hydroxide: Oral (rat) LD 50 = 365 mg/kg

PRIMARY (DRAIZE TEST) SKIN/EYE: No data available

SENSITIZATION: No data available

CHRONIC TOXICITY DATA: No data available

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.

NATIONAL REGULATIONS AUSTRIA Waste Code: 52404

14. TRANSPORT INFORMATION

Class: 8 Packing Group: II. UN No 3266
Proper shipping name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. Contains: Potassium hydroxide
ADR/RID, H.I.n.: 80
ADR/RID, No: 47(b)
IMDG Page 8147-1
EmS-Nr.: 8-15
MFAG-Nr.: 760

15. REGULATORY INFORMATION

CLASSIFICATION:
HAZARD SYMBOL: C, Corrosive



C, CORROSIVE

Contains: Potassium hydroxide

RISK PHRASES: R35 Causes severe 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 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: Take notice of UVV-Chemie

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

NATIONAL REGULATIONS UK

COSHH regulations apply. A precaution card is available and should be displayed wherever this product is used and stored (REF.CR).



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16. OTHER INFORMATION

FOOD AND DRUG ADMINISTRATION (FDA) Federal Food, Drug and Cosmetic Act: 21 CFR 173.310

Emergency Telephone Number +44 (0) 161 240 2100