



Material Safety Data Sheet

Accepta 2069

Date issued: 01-06-2004

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Product Name:	ACCEPTA 2069
Application:	Membrane cleaner: Reverse osmosis low foaming detergent for removing organic matter
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:
Phosphate, Potassium hydroxide, Organic acid derivative in aqueous solution.

HAZARDOUS INGREDIENTS:

CAS NO.	EINECS NO.	CHEMICAL NAME	WT %	SYMBOL	R-PHRASES
1310-58-3	2151813	Potassium hydroxide	5 – 10	C	22, 35
7320-34-5	2307857	Tetrapotassium pyrophosphate	5 - 10	Xi	36

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.



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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. Rinse mouth immediately and repeatedly with water. **Do not induce vomiting without medical advice .**

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

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

Do not breathe vapour. Prevent contact with skin, eyes and clothing. 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. Take off immediately all contaminated clothing. 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.

Wash site of spillage thoroughly with water.



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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. Avoid use of aluminium zinc and their alloys.

STORAGE CONDITIONS:

Keep container tightly closed and in a well-ventilated place. Store separately from acids. Protect from freezing.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

NATIONAL REGULATIONS UK

Potassium hydroxide: OES 2 mg/m³ (STEL)

NATIONAL REGULATIONS FRANCE

Potassium hydroxide: VLE 2 mg/m³

NATIONAL REGULATIONS FINLAND

Potassium hydroxide: HTP 2 mg/m³

NATIONAL REGULATIONS NORWAY

Potassium hydroxide: TLV 2 mg/m³ (ceiling)

NATIONAL REGULATIONS DENMARK

Potassium hydroxide: GV 2 mg/m³ (ceiling)

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

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 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: Colourless

VALUE UNIT TEST METHOD

RELATIVE DENSITY: 1.12

SOLUBILITY IN WATER: Miscible

pH 14

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:

Do not mix with Acids. Gives off hydrogen by reaction with metals.

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.

12. ECOLOGICAL INFORMATION

PERSISTENCY AND DEGRADATION:

Chemical Oxygen Demand (COD): 344 mg O₂ uptake / g product

TOC: 25300 mg/l



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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: 1814

Proper shipping name: POTASSIUM HYDROXIDE, SOLUTION

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

EmS-Nr.: 8-06

Tariffcode: 34029090-90

15. REGULATORY INFORMATION

CLASSIFICATION:

HAZARD SYMBOL: CORROSIVE



C, CORROSIVE

Contains: Potassium 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.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S28 After contact with

skin, wash immediately with plenty of water. 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: 2 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. 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