



Material Safety Data Sheet

Accepta 2088

Date issued: 01-06-2004

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Product Name:	ACCEPTA 2088
Application:	Water treatment for closed circuit heating systems
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:
Sodium hydroxide, Carbonate, tannins in aqueous solution.

HAZARDOUS INGREDIENTS:

CAS NO.	EINECS NO.	CHEMICAL NAME	WT %	SYMBOL	R-PHRASES
1310-73-2	2151855	Sodium hydroxide	1 - 5	C	35
497-19-8	2078388	Sodium carbonate	1 - 5	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 burns.

EYE CONTACT:

Causes 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: Remove to fresh air, rest, treat symptomatically. Obtain medical attention immediately.
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 immediately.
INGESTION: **Do not induce vomiting without medical advice.** If conscious washout mouth and give one pint of water to drink. Obtain medical attention immediately.
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.
UNSUITABLE EXTINGUISHING MEDIA:
Not applicable.
FIRE AND EXPLOSION HAZARD
Oxides of nitrogen, Oxides of carbon (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. Water mist may be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:
Instruct personnel to keep at a safe distance. Prevent contact with skin, eyes and 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:
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. Avoid generating aerosols and mists.

STORAGE CONDITIONS:

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

8. EXPOSURE CONTROL/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

NATIONAL REGULATIONS UK

Sodium hydroxide OES 2 mg/m³ (STEL)

NATIONAL REGULATIONS FRANCE

Sodium hydroxide: VME 2 mg/m³

NATIONAL REGULATIONS SWEDEN

Sodium hydroxide: TGV 2 mg/m³

NATIONAL REGULATIONS FINLAND

Sodium hydroxide HTP: 2 mg/m³ (8h)

NATIONAL REGULATIONS NORWAY

Sodium hydroxide TLV: 2 mg/m³ (ceiling)

NATIONAL REGULATIONS DENMARK

Sodium hydroxide GV: 2 mg/m³ (ceiling)

ENGINEERING MEASURES Use a closed dosing system. Local exhaust ventilation if necessary to control airborne levels below the exposure guidelines.

RESPIRATORY PROTECTION: 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, Neoprene gloves, or 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. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse. Wash hands at breaks and at the end of the shift.

9. PHYSICAL AND CHEMICAL PROPERTIES

NOTE: These physical properties are typical values for this product

FORM: Liquid

COLOUR: Dark brown

VALUE UNIT TEST METHOD

RELATIVE DENSITY: 1.10

SOLUBILITY IN WATER: Complete

pH 13.6

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 sulphur. Oxides of carbon (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

No data available



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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: 1719

Proper shipping name: CAUSTIC ALKALI LIQUID, N.O.S. Contains:

Sodium hydroxide

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

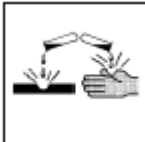
EmS-Nr.: 8-06

Marine pollutant: No

15. REGULATORY INFORMATION

CLASSIFICATION:

HAZARD SYMBOL: CORROSIVE



C, CORROSIVE

Contains: Sodium hydroxide

RISK PHRASES:

R34 Causes 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. S45 In case of accident or if you feel

unwell, seek medical advice immediately (show the label where possible). S36/37/39 Wear suitable

protective clothing, gloves and eye/face protection.

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