



Material Safety Data Sheet

Accepta 2066

Date issued: 01-06-2004

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Product Name:	ACCEPTA 2066
Application:	Membrane Cleaner: Reverse osmosis sequestrant to remove calcium sulphate
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:
Water, Tetrasodium ethylenediamine tetraacetate.

HAZARDOUS INGREDIENTS:

CAS NO.	EINECS NO.	CHEMICAL NAME	WT %	SYMBOL	R-PHRASES
64-02-8	2005739	Tetrasodium ethylenediamine tetraacetate	30 - 40	Xn	22,41

Refer to section 16 for descriptions of relevant risk phrases

3. HAZARD IDENTIFICATION

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

HUMAN HEALTH HAZARDS - ACUTE:

INHALATION:
May cause irritation of mucous membranes.

SKIN CONTACT:
Can cause mild irritation.

EYE CONTACT:
Irritating to eyes.

INGESTION:
There may be irritation to the gastro-intestinal tract with nausea and vomiting.



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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.

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 immediately.

INGESTION:

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

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

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

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.

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. Avoid generating aerosols and mists.

STORAGE CONDITIONS:

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

8. EXPOSURE CONTROL/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS None

ENGINEERING MEASURES General ventilation is recommended. Local exhaust ventilation is recommended where significant mists, vapours or aerosols are generated.

RESPIRATORY PROTECTION: Respiratory protection not normally needed. If significant mists, vapours or aerosols are generated an approved respirator is recommended

HAND PROTECTION: PVC gloves, Nitrile gloves, Neoprene gloves.

SKIN PROTECTION: Standard protective clothing.

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

VALUE UNIT TEST METHOD

RELATIVE DENSITY: 1.3

SOLUBILITY IN WATER: Complete

pH 13

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:

Acids. Strong oxidizing agents. Gives off hydrogen by reaction with metals.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of nitrogen, Oxides of carbon (under fire conditions).

11. TOXICOLOGICAL INFORMATION

Please refer to section 3 for hazards identification.

ACUTE TOXICITY DATA:

ACUTE LETHALITY VALUES:

Oral (rat) LD50 = >2000 mg/kg.

PRIMARY (DRAIZE TEST) SKIN/EYE

40 % Tetrasodium ethylenediamine tetraacetate:

skin: not irritating (OECD)

eyes: IRRITANT (OECD)

12. ECOLOGICAL INFORMATION

PERSISTENCY AND DEGRADATION:

Chemical Oxygen Demand (COD): 31 mg O₂ uptake / g product

TOC: 94000 mg/l

Abiotic degradation: The product may be degraded via abiotic processes.

Biological degradation: The product is - according to OECD criteria - not readily biodegradable, but potentially.

MOBILITY AND BIOACCUMULATION POTENTIAL:

No data available.

ECOTOXICOLOGICAL EFFECTS: The following results are for a similar product (40%

Tetrasodium ethylenediamine tetraacetate)

Fish: 96H LC50 = 41 - 2070 mg/l

EC50/24H/Daphnia magna (Water Flea) = > 500 mg/l

Algae: 72H IC50 = 10-100 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: III

UN No: 3267

Proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC,

N.O.S Contains: Tetrasodium ethylenediamine tetraacetate

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

EmS-Nr.: 8-15

15. REGULATORY INFORMATION

CLASSIFICATION:

HAZARD SYMBOL: IRRITANT



Xi, IRRITANT

Contains: Tetrasodium ethylenediamine tetraacetate

RISK PHRASES: R36 Irritating to eyes.

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.

S37/39 Wear suitable gloves and eye/face protection.

NATIONAL REGULATIONS GERMANY

VbF-Klasse: None

WHG-WGK: 2 Classification according VwVwS v. 17.05.99, Anhang 4

TA-Luft: -

Berufsgenossensch. Vorschriften: None

Hinweise zur Beschäftigungsbeschränkung: None

NATIONAL REGULATIONS UK

COSHH regulations apply.

A precaution card is available and should be displayed wherever this product is used and stored. (Ref. XnXi).



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16. OTHER INFORMATION

Emergency Telephone Number +44 (0) 161 240 2100