



## Material Safety Data Sheet

**Accepta 2044**

Date issued: 01-06-2004

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

|                             |   |
|-----------------------------|---|
| Product Name:               | ACCEPTA 2044  |
| Application:                | Water Treatment Flocculant: High molecular weight cationic liquid polymer                   |
| Company Identification:     | Accepta Ltd.<br>Quay West<br>Trafford Wharf Road<br>Manchester<br>M17 1HH<br>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: Cationic high molecular weight acrylamide copolymer dispersed in hydrocarbon solvent

HAZARDOUS INGREDIENTS: This product is not classified as hazardous (European Directive 88/379/EEC)

### 3. HAZARD IDENTIFICATION

HUMAN HEALTH HAZARDS: Acute

INHALATION: May cause irritation with prolonged contact.

SKIN CONTACT: Can cause mild irritation.

EYE CONTACT: Can cause mild irritation.

INGESTION: Addition of water results in gelling.

ENVIRONMENTAL HAZARDS: Toxic to aquatic organisms. Do not contaminate surface water.

PHYSICAL AND CHEMICAL HAZARDS:



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### 4. FIRST AID MEASURES

**INHALATION:** Remove to fresh air, rest, and 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:** If swallowed, seek medical advice immediately and show this container or label.

**ADDITIONAL INFORMATION:** Note to Physician: Ingestion of product may cause the formation of a jelly-like mass, which may result in an intestinal obstruction.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Water, dry powder, carbon dioxide, foam.

**FIRE AND EXPLOSION HAZARD:** May evolve CO<sub>x</sub> 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  
Spill may be slippery.

**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..

Clean contaminated surfaces with water or aqueous cleaning agents.



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### 7. HANDLING AND STORAGE

**HANDLING:** Avoid contact with skin and eyes. Homogenize thoroughly prior to use. Freezing will affect the physical condition but will not change the material. Thaw and mix before using.

**STORAGE CONDITIONS:** Protect from freezing. Keep container tightly closed and dry. Storage for more than 6 months is not recommended.

**CONSTRUCTION MATERIAL COMPATIBILITY.**

### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**OCCUPATIONAL EXPOSURE LIMITS**

**ENGINEERING MEASURES:** General ventilation is recommended.

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

**HAND PROTECTION:** Impervious 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 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:** Off-white

**ODOUR:** Neutral

**BOILING POINT:** > 100 °C OECD/Prüfrichtl

**MELTING POINT:** - 15 °C OECD/Prüfrichtl

**FLASH POINT:** > 100 °C DIN 53213/Teil 1

**RELATIVE DENSITY:** 1,04 g/cm<sup>3</sup>

**SOLUBILITY IN WATER:** Emulsifiable

**VISCOSITY (20 °C)** >350 cps mPa.s

**FREEZING POINT:** - 15 °C

**AUTOFLAMMABILITY:** None

**pH (20 °C)** 4,3

Abbreviation: NE = not evaluated. NA = not applicable. NR = not relevant



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### 10. STABILITY AND REACTIVITY

STABILITY: Stable under ambient conditions. No degradation if used as prescribed..

CONDITIONS TO AVOID: Freezing temperatures.

MATERIALS TO AVOID: Addition of water results in gelling Strong oxidizing agents..

HAZARDOUS DECOMPOSITION PRODUCTS: May evolve COx under fire conditions.

### 11. TOXICOLOGICAL INFORMATION

Please refer to section 3 for hazards identification.

ACUTE TOXICITY DATA:

ACUTE LETHALITY VALUES:  
Oral (rat); LD<sub>50</sub> = approx 5 g/kg

PRIMARY (DRAIZE TEST) SKIN/EYE:  
skin: Can cause moderate irritation  
eyes: Can cause moderate irritation

### 12. ECOLOGICAL INFORMATION

PERSISTENCY AND DEGRADATION:

Persistency/Resistency: Readily eliminated. The product is eliminated via abiotic process (adsorption on activated sludge) to a large amount from the aqueous phase.

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

Biological degradation: approx. 68% ( DIN 38412, Teil 25 )

MOBILITY AND BIOACCUMULATION POTENTIAL: Elimination from the aqueous phase via precipitation or flocculation is possible.

ECOTOXICOLOGICAL EFFECTS:  
Fish: 96H LC<sub>50</sub> = 8.3 mg/l (calculated)

ADDITIONAL ECOLOGICAL DATA:

Chemical Oxygen Demand (COD) approx. 3 mg/l (5 ppm)

Biological Oxygen Demand (BOD<sub>5</sub>) < 1 mg/l (5 ppm)

Behaviour in municipal sewage treatment plants: Discharge in minor quantity into adapted biological units of sewage treatment plants is not expected to affect the efficiency of the activated sludge process. AOX information: Product contains no organic halogens.



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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.

NATIONAL REGULATIONS AUSTRIA Waste Code: 57304

### 14. TRANSPORT INFORMATION

Class: Not regulated

### 15. REGULATORY INFORMATION

CLASSIFICATION:

HAZARD SYMBOL: Not applicable

Contains: --

RISK PHRASES: This product is not classified as hazardous (European Directive 88/379/EEC).

SAFETY PHRASES: S7/8 Keep container tightly closed and dry. S37/39 Wear suitable gloves and eye/face protection. 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.

SPILLAGE: Spill may be slippery.

NATIONAL REGULATIONS GERMANY Not classified according to regulations for hazardous materials

VbF-Klasse: None

WHG-WGK: 2

StörfallVO: /12.BImSchV.Liste d. Anh. II): -

TA-Luft: -

Berufsgenossensch. Vorschriften: -

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. NHSL).

NATIONAL REGULATIONS SWITZERLAND

BAGT-Nr: 616100

Toxic class: frei



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**16. OTHER INFORMATION**

Emergency Telephone Number +44 (0) 161 240 2100