



## Material Safety Data Sheet

**Accepta 2045**

Date issued: 01-06-2004

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

Product Name:	ACCEPTA 2045
Application:	Water Treatment Flocculant: High molecular weight cationic liquid polymer
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: 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: May cause mucosal damage. Addition of water results in gelling.

ENVIRONMENTAL HAZARDS:

PHYSICAL AND CHEMICAL HAZARDS: Spill may be slippery.



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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. 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. Spill may be slippery.



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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. Storage for more than 6 months is not recommended.

**CONSTRUCTION MATERIAL COMPATIBILITY.**

### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**OCCUPATIONAL EXPOSURE LIMITS:** None

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

**RESPIRATORY PROTECTION:** 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 ASTM D-86

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

**AUTOFLAMMABILITY:** None

**EXPLOSION LIMITS:** None

**RELATIVE DENSITY:** 1.04 g/cm<sup>3</sup>

**SOLUBILITY IN WATER:** Emulsifiable

**VISCOSITY (20 °C):** 750 cps mPa.s

**FREEZING POINT:** -14 °C

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



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### 10. STABILITY AND REACTIVITY

STABILITY: No degradation if used as prescribed.

CONDITIONS TO AVOID: Freezing temperatures.

MATERIALS TO AVOID: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: 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) LD<sub>50</sub> = > 5 g/kg

PRIMARY (DRAIZE TEST) SKIN/EYE:

skin: Can cause moderate irritation

eyes: Can cause moderate irritation

SENSITIZATION: None

CHRONIC TOXICITY DATA: No data available.

### 12. ECOLOGICAL INFORMATION

PERSISTENCY AND DEGRADATION:

Chemical Oxygen Demand (COD) 750 g/l

Biological Oxygen Demand (BOD<sub>5</sub>) 85 g/l

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: ca. 68% DIN 38412, Teil 25).

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

ECOTOXICOLOGICAL EFFECTS: Very toxic to fish and aquatic fauna. Do not contaminate waters.

Fish: LC<sub>50</sub> /96H/Leuciscus idus (Gold Orfe)= 1,5 mg/l (DIN38412-L15)

Bacteria: EC50/Pseudomonas Putida = 260 mg/l

ADDITIONAL ECOLOGICAL DATA: 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: S37/39 Wear suitable gloves and eye/face protection 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

SPILLAGE: Spill may be slippery.

NATIONAL REGULATIONS GERMANY Not classified according to regulations for hazardous materials

VbF-Klasse: None

WHG-WGK: 2

StofffallVo:/12.BImSchV.Liste d. Anh. II);-

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. NHSL).

NATIONAL REGULATIONS AUSTRIA: VbF-Klasse: None



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**16. OTHER INFORMATION**

Emergency Telephone Number +44 (0) 161 240 2100