



## Material Safety Data Sheet

**Accepta 2047**

Date issued: 01-06-2004

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

Product Name:	ACCEPTA 2047
Application:	Water Treatment Flocculant: High molecular weight anionic 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: Anionic high molecular weight polyacrylamide 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:

PHYSICAL AND CHEMICAL HAZARDS: Spill may be slippery.



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### 4. FIRST AID MEASURES

**INHALATION:** Remove to fresh air, rest, treat symptomatically.

**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.

**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. 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:** 1.03 g/cm<sup>3</sup>

**SOLUBILITY IN WATER:** Emulsifiable

**VISCOSITY (20 °C):** 300-1700 cps mPa.s

**FREEZING POINT:** -15 °C

**MELTING POINT:** - 15 °C

**pH (20 °C; 10 g/l H<sub>2</sub>O)** 7 - 8



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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. Addition of water results in gelling.

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> = > 5000 mg/kg

PRIMARY (DRAIZE TEST) SKIN/EYE:

skin: 1.33/8.0

eyes: 26.5/110.0

SENSITIZATION: None

CHRONIC TOXICITY DATA: No data available.

### 12. ECOLOGICAL INFORMATION

PERSISTENCY AND DEGRADATION:

Abiotic degradation: The product may be degraded via abiotic processes

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

MOBILITY AND BIOACCUMULATION POTENTIAL: No bioaccumulation.

ECOTOXICOLOGICAL EFFECTS:

LC<sub>50</sub>/96H/Fish: > 100 mg/l (expert judgement)

LC<sub>50</sub>/48H/Daphnia magna (Water Flea) = 280 mg/l

The following results are for the active ingredient ( Anionic polyacrylamide ):

LC<sub>50</sub>/96H/Brachydanio rerio (Zebra Danio) = 318 mg/l

The following results are for a 1% aqueous solution:

EC<sub>50</sub>/72H/Skeletonema costatum (Marine Algae)= 925 mg/l (R)

NOEC: 328 mg/l

EC<sub>50</sub>/72H/Skeletonema costatum (Marine Algae)= 654 mg/l (B)

NOEC: 328 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: 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

VbF-Klasse: None

WHG-WGK: 1 Classification according VwVwS v. 17.05.99, Anhang 4

StörfallVO: /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

NATIONAL REGULATIONS SWITZERLAND: BAGT-Nr: 616100, Toxic class: frei



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### 16. OTHER INFORMATION

FOOD AND DRUG ADMINISTRATION (FDA) Federal Food, Drug and Cosmetic Act: Product complies with 21CFR176.180

Emergency Telephone Number +44 (0) 161 240 2100