



**Material Safety Data Sheet**

**Accepta 2038**

Date issued: 01-06-2004

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

<b>Product Name:</b>	<b>ACCEPTA 2038</b>
<b>Application:</b>	Water Treatment Flocculant: High molecular weight cationic liquid polymer
<b>Company Identification:</b>	Accepta Ltd. Quay West Trafford Wharf Road Manchester M17 1HH United Kingdom
<b>Office telephone number:</b>	+44 (0) 161 240 2100
<b>Office fax number:</b>	+44 (0) 870 135 6389
<b>Emergency Telephone Number:</b>	+44 (0) 161 240 2100

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical description:</b>	Water, Polymer, Inorganic salt(s).
<b>Hazardous ingredients:</b>	This product is not classified as hazardous (European Directive 88/379/EEC)

**3. HAZARD IDENTIFICATION**

<b>HUMAN HEALTH HAZARDS:</b>	Acute
<b>INHALATION:</b>	May cause irritation of mucous membranes.
<b>SKIN CONTACT:</b>	Can cause mild irritation
<b>EYE CONTACT:</b>	Can cause moderate irritation.
<b>INGESTION:</b>	There may be irritation to the gastro-intestinal tract with nausea and vomiting.
<b>ENVIRONMENTAL HAZARDS:</b>	Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.
<b>PHYSICAL AND CHEMICAL HAZARDS:</b>	Can react violently with alkalis and oxidising agents.



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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.
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:	Do not induce vomiting without medical advice. If conscious wash out mouth and give half litre 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 sulphur, Oxides of carbon, Hydrogen chloride, Ammonia (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:	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 watercourses, 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. Use of alkaline absorbent materials will generate ammonia. Do not mix with any bleaches or oxidising agents.	



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### 7. HANDLING AND STORAGE

**HANDLING:** Avoid contact with skin and eyes.

**STORAGE CONDITIONS:** Protect from freezing. Keep container tightly closed. Storage for more than 12 months is not recommended. Avoid temperatures greater than 40 °C. Store away from direct sunlight. It is recommended to store the product inside during all four seasons.

**CONSTRUCTION MATERIAL COMPATIBILITY:** Compatible with: PVC, polypropylene, polyurethane, polyethylene, hypalon, buna-N, teflon, viton, vinyl, fibre glass 411, Plasite 4005, 6000 and 7122, neoprene.

### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**OCCUPATIONAL EXPOSURE LIMITS:** None

**ENGINEERING MEASURES:** Not normally needed. 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. filter-type A

**HAND PROTECTION:** PVC 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:** White – Opaque

**ODOUR:** None

**BOILING POINT:** 120 °C

**FLASH POINT:** None

**RELATIVE DENSITY:** 1.18-1.20 (20 °C )

**SOLUBILITY IN WATER:** Complete

**pH ( 25 °C )** 3.0-4.1

**VISCOSITY ( 25 °C )** <600 cps

**FREEZING POINT:** -10 °C

**FREEZE- THAW RECOVERY:** Complete



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### 10. STABILITY AND REACTIVITY

STABILITY: Stable under ambient conditions.

CONDITIONS TO AVOID: Extremes of temperature: <-10 °C and > 40 °C.

MATERIALS TO AVOID: Can react violently with alkalis and oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of nitrogen, Oxides of sulphur, Oxides of carbon, Hydrogen chloride, Ammonia (under fire conditions).

### 11. TOXICOLOGICAL INFORMATION

Please refer to section 3 for hazards identification.

ACUTE TOXICITY DATA:

ACUTE LETHALITY VALUES: Oral (mouse) LD 50 = 7500 mg/kg

PRIMARY (DRAIZE TEST) SKIN/EYE: Primary skin irritation: No

### 12. ECOLOGICAL INFORMATION

PERSISTENCY AND DEGRADATION: Biological Oxygen Demand (BOD<sub>5</sub>): 149 mg/l  
Chemical Oxygen Demand (COD): 1500 mg/l  
TOC: 1000 mg/l  
The product is not expected to be readily biodegradable.

MOBILITY AND BIOACCUMULATION POTENTIAL: No bioaccumulation expected

ECOTOXICOLOGICAL EFFECTS: : LC<sub>50</sub>/96H/Oncorhynchus Mykiss (Rainbow Trout)= 2.7 mg/l  
LC<sub>50</sub>/48H/Daphnia magna (Water Flea) = 32 mg/l  
EC<sub>50</sub>/48H/Daphnia magna (Water Flea) = 19 mg/l

ADDITIONAL ECOLOGICAL DATA: 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: 57303

### 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: 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

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

TA-Luft: -

Hinweise zur Beschäftigungsbeschränkung: None

NATIONAL REGULATIONS UK: COSHH regulations apply.

NATIONAL REGULATIONS SWITZERLAND: BAGT-Nr: 616200

Toxic class: frei



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**16. OTHER INFORMATION**

Emergency Telephone Number +44 (0) 161 240 2100