



## Material Safety Data Sheet

**Accepta 2105**

Date issued: 01-01-2004

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

Product Name: ACCEPTA 2105  
 Application: Waste Water Cationic Polymer

Company Identification: Accepta Ltd.  
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 SK10 2XU  
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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL DESCRIPTION:  
 Polymer dispersed in hydrocarbon solvent.

HAZARDOUS INGREDIENTS: This product is not classified as dangerous (European Directive 1999/45/EC)

CAS NO.	EINECS NO.	CHEMICAL NAME	WT %	SYMBOL	R-PHRASES
64742-47-8	2651498	Aliphatic hydrocarbon	20 - 30	Xn	65 , 66
124-04-9	2046733	Adipic acid	0.5 - 1.5	Xi	36
68131-39-5		Polymer Fatty alcohol ethoxylate	1 - 5	Xn, N	22, 41, 50

### 3. HAZARD IDENTIFICATION

This product is not classified as dangerous (European Directive 1999/45/EC).

HUMAN HEALTH HAZARDS - ACUTE:

INHALATION:

May cause irritation of mucous membranes.

SKIN CONTACT:

May cause irritation with prolonged contact.

EYE CONTACT:

May cause irritation with prolonged contact.

INGESTION:

May cause mucosal damage.

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

**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:** Use extinguishing media appropriate for surrounding fire.

**UNSUITABLE EXTINGUISHING MEDIA:**  
Water in contact with the product will cause slippery floor conditions.

**FIRE AND EXPLOSION HAZARD**  
Oxides of carbon, Oxides of nitrogen.

**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:**  
Do not breathe vapour. 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.  
Ensure adequate ventilation. Use personal protective equipment recommended in Section 8.

**SPILLAGE:** Water in contact with the product will cause slippery floor conditions.

**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:**  
Soak up as thoroughly as possible with inert absorbent material or sawdust, as the addition of water causes slippery floor conditions.



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**7. HANDLING AND STORAGE**

**HANDLING:**  
Do not breathe vapour. Avoid contact with skin and eyes. Avoid generating aerosols and mists. Use with adequate ventilation.

**STORAGE CONDITIONS:**  
Keep container tightly closed and in a well-ventilated place.

**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

**OCCUPATIONAL EXPOSURE LIMITS**  
NATIONAL REGULATIONS HOLLAND  
Adipic acid: MAC TWA (TGG) 5 mg/m<sup>3</sup>

**ENGINEERING MEASURES**  
Use general ventilation with local exhaust ventilation.

**RESPIRATORY PROTECTION:**  
An approved respirator must be worn if the occupational exposure limit is likely to be exceeded, filter-type A.

**HAND PROTECTION:**  
Nitrile gloves, PVC gloves, Neoprene gloves.  
Most glove materials are of low chemical resistance. Replace gloves regularly.

**SKIN PROTECTION:**  
Standard protective clothing.

**EYE PROTECTION:**  
Chemical splash goggles.

**HYGIENE RECOMMENDATIONS:**  
Keep a safety shower available. Keep an eye wash fountain 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:** Viscous liquid  
**COLOUR:** Off-white  
**ODOUR:** None

**VALUE UNIT TEST METHOD**  
**FLASH POINT:** > 100 °C PMCC  
**RELATIVE DENSITY:** 1.03 (30 °C )  
**SOLUBILITY IN WATER:** Partially miscible  
pH 4 - 5  
**VISCOSITY ( 22 °C )** 760 cps



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### 10. STABILITY AND REACTIVITY

**STABILITY:**

Stable under ambient conditions.

**CONDITIONS TO AVOID:**

Extremes of temperature.

**MATERIALS TO AVOID:**

Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

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

### 11. TOXICOLOGICAL INFORMATION

Hazard classification is based on 1999/45/EC, 67/548/EEC and available ingredient toxicity data. Please refer to section 3 for hazards identification.

### 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 ( > 95 % ).

Abiotic degradation: Hydrolysis > 70 % 28 d at pH 6-8, which is equivalent to ready biodegradability according DSD 67/548 Annex VI. Method EU C7, OECD 111.

Biological degradation: appr. 68 % ( DIN EN 29 88 ).

Chemical Oxygen Demand (COD): 1200 g/l.

**MOBILITY AND BIOACCUMULATION POTENTIAL:**

Elimination from the aqueous phase via precipitation or flocculation is possible. No bioaccumulation expected. Large polymer size and hydrophilicity are incompatible with transport across biological membranes.

**ECOTOXICOLOGICAL EFFECTS:**

The effects on aquatic organisms are due to an external (non-systemic) mode of action. Acute toxicity tests conducted using environmentally representative water gave the following results:

LC50/96H/Brachydanio rerio (Zebra Danio) = 1 - 10 mg/l

LC50/48H/Daphnia magna (Water Flea) : 10 - 100 mg/l

**ADDITIONAL ECOLOGICAL DATA:**

LC0/Earthworm: > 1000 mg/l ( Lit. )

AOX information: Product contains no organic halogens.

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.



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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. Ensure compliance with EC, national and local regulations.  
 NATIONAL REGULATIONS UK  
 In accordance with the Environmental Protection ( Duty of Care) Regulations 1991.

**14. TRANSPORT INFORMATION**

Class: Not regulated

**15. REGULATORY INFORMATION**

CLASSIFICATION:  
 HAZARD SYMBOL: Not applicable  
 Contains: --  
 RISK PHRASES:  
 This product is not classified as dangerous (European Directive 1999/45/EC).  
 SAFETY PHRASES:  
 S23 Do not breathe vapour. 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. S36/37/39 Wear suitable protective clothing, 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.



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### 16. OTHER INFORMATION

Emergency Telephone Number +44 (0) 1625 267581

RELEVANT RISK PHRASES:

R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking. R36 Irritating to eyes. R22 Harmful if swallowed. R41 Risk of serious damage to eyes. R50 Very toxic to aquatic organisms.