



Material Safety Data Sheet

Accepta 2046

Date issued: 01-06-2004

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

| | |
|-----------------------------|---------------------------------------------------------------------------------------------|
| Product Name: | ACCEPTA 2046 |
| Application: | Cationic guanidine 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:
Water, Polymer.

| HAZARDOUS INGREDIENTS: | | | | | |
|----------------------------------------|------------|---------------|---------|--------|-------------------|
| CAS NO. | EINECS NO. | CHEMICAL NAME | WT % | SYMBOL | R-PHRASES |
| 50-00-0 | 2000018 | Formaldehyde | 0.2 - 1 | T | 23/24/25,34,40,43 |
| HAZARDOUS INGREDIENTS: for Sweden only | | | | | |
| CAS NO. | EINECS NO. | CHEMICAL NAME | WT % | SYMBOL | R-PHRASES |
| 50-00-0 | 2000018 | Formaldehyde | 0.2 - 1 | T | 23/24/25,34,40,43 |

3. HAZARD IDENTIFICATION

HUMAN HEALTH HAZARDS: Acute

INHALATION: May cause irritation of mucous membranes.

SKIN CONTACT: Can cause mild irritation. Repeated or prolonged exposure may cause skin irritation and dermatitis.

EYE CONTACT: Can cause moderate irritation.

INGESTION: May cause mucosal damage.

ENVIRONMENTAL HAZARDS: May cause sensitization by skin contact.

PHYSICAL AND CHEMICAL HAZARDS: No degradation if used as prescribed. Do not mix with Acids. Contact with acids liberates toxic gas: Formaldehyde 1% Max.



Material Safety Data Sheet

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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 soap and 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: Rinse mouth immediately and repeatedly with water. Do not induce vomiting without medical advice. Obtain medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Not expected to burn. In case of fire, use Water spray, foam, dry powder, carbon dioxide.

FIRE AND EXPLOSION HAZARD: May evolve oxides of nitrogen under fire conditions, Formaldehyde, Oxides of carbon.

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 soap and water. Take off immediately all contaminated clothing. Use personal protective equipment recommended in Section 8.

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

Wash site of spillage thoroughly with water.



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7. HANDLING AND STORAGE

HANDLING: Do not take internally. Avoid contact with skin and eyes. Avoid breathing vapors from headspace of newly opened containers.

STORAGE CONDITIONS: No degradation if used as prescribed. Keep in a cool, well-ventilated place. Keep at temperatures between 4 - 20 °C. Storage for more than 6 months is not recommended. Store separately from acids.

CONSTRUCTION MATERIAL COMPATIBILITY.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS
 NATIONAL REGULATIONS GERMANY Formaldehyde: TRGS900: 0.6 mg/m³, 0.5 ppm Y, H
 NATIONAL REGULATIONS UK Formaldehyde: MEL 2 ppm TWA, 2 ppm STEL
 NATIONAL REGULATIONS SWEDEN Formaldehyde : NGV 0.6 mg/m³, TGV 1.2 mg/m³
 NATIONAL REGULATIONS FINLAND Formaldehyde: HTP 0.37 mg/m³ (8h), 1.2 mg/m³ (ceiling)
 NATIONAL REGULATIONS NORWAY Formaldehyde: TLV 0.6 mg/m³ (ceiling)
 NATIONAL REGULATIONS DENMARK Formaldehyde: GV 0.4 mg/m³ (ceiling)
ENGINEERING MEASURES General ventilation is recommended.
RESPIRATORY PROTECTION: Not normally needed. Wear a cartridge respirator (when required by use conditions).
HAND PROTECTION: Rubber gloves.
SKIN PROTECTION: Standard protective clothing.
EYE PROTECTION: Chemical splash goggles and face shield
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: Colourless
ODOUR: Pungent
BOILING POINT: 100 °C ASTM D-86
MELTING POINT: 3
FLASH POINT: > 100 °C PMCC
RELATIVE DENSITY: 1.17 g/cm³ ASTM D-1298
SOLUBILITY IN WATER: Complete
pH (neat, 20°C): 3.4 ASTM E-70
VISCOSITY 30 cps ASTM D-2983
FREEZING POINT: - 5 °C ASTM D-1177

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. Decomposes -> 2% Formaldehyde.

CONDITIONS TO AVOID: High temperatures (>40°C): Decomposes ---> Formaldehyde.

MATERIALS TO AVOID: Acids, Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Formaldehyde (under acidic conditions). Oxides of carbon, Oxides of nitrogen, Formaldehyde (under fire conditions).

11. TOXICOLOGICAL INFORMATION

Please refer to section 3 for hazards identification.

ACUTE TOXICITY DATA:

ACUTE LETHALITY VALUES:

Oral (rat) LD₅₀ = 4500 mg/kg

PRIMARY (DRAIZE TEST) SKIN/EYE: No data available.

SENSITIZATION:

HAZARDOUS DECOMPOSITION PRODUCTS: Formaldehyde: May cause sensitization by skin contact.

CHRONIC TOXICITY DATA:

HAZARDOUS DECOMPOSITION PRODUCTS: Formaldehyde: Possible risks of irreversible effects.

Inhalation of formaldehyde has produced nasal tumors in rats.

12. ECOLOGICAL INFORMATION

No data available on the product.

PERSISTENCY AND DEGRADATION:

MOBILITY AND BIOACCUMULATION POTENTIAL:

ECOTOXICOLOGICAL EFFECTS:

ADDITIONAL ECOLOGICAL DATA:



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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. Special Waste Regulations 1996 apply.

NATIONAL REGULATIONS AUSTRIA

14. TRANSPORT INFORMATION

Class: Not regulated

Tariffcode: 39119099-90

15. REGULATORY INFORMATION

CLASSIFICATION:
HAZARD SYMBOL: Xi, IRRITANT



IRRITANT

Contains: Formaldehyde

RISK PHRASES: R43 May cause sensitization by skin contact.

SAFETY PHRASES: S23 Do not breathe. (gas/fumes/vapour/spray). 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. S27 Take off immediately all contaminated clothing. S28 After contact with skin, wash immediately with plenty of water.

NATIONAL REGULATIONS GERMANY

VbF-Klasse: None

WHG-WGK: 2 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. XnXISEN).



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16. OTHER INFORMATION

Emergency Telephone Number +44 (0) 161 240 2100