



Material Safety Data Sheet

Accepta 2102

Date issued: 01-06-2004

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Product Name: ACCEPTA 2102
Application: Biocide (THPS)

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

CHEMICAL DESCRIPTION:
Water, Tetrakis(hydroxymethyl)- phosphonium sulphate, Sulfate, Surfactant(s).

HAZARDOUS INGREDIENTS:

CAS NO.	EINECS NO.	CHEMICAL NAME	WT %	SYMBOL	R-PHRASES
55566-30-8	2597090	Tetrakis(hydroxymethyl)phosphonium sulphate	30 - 50	Xn, N	22-41-43-63-50

3. HAZARD IDENTIFICATION

This product is classified as dangerous (European Directive 1999/45/EC).

HUMAN HEALTH HAZARDS - ACUTE:

INHALATION:

May cause irritation of mucous membranes.

SKIN CONTACT:

Can cause mild irritation. May cause sensitization by skin contact.

EYE CONTACT:

Risk of serious damage to eyes. Can cause severe irritation, Lachrymatory effect.

INGESTION:

Harmful if swallowed. May cause nausea and vomiting. Liver injury may occur.

HUMAN HEALTH HAZARDS - CHRONIC:

May cause sensitization by skin contact.

Possible risk of harm to the unborn child.

ENVIRONMENTAL HAZARDS

Very toxic to aquatic organisms.



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4. FIRST AID MEASURES

INHALATION:

Remove to fresh air, rest, treat symptomatically. Obtain medical attention.

SKIN CONTACT:

Obtain medical attention immediately. Remove contaminated clothing. Wash off affected area immediately with soap and plenty of water.

EYE CONTACT:

Obtain medical attention immediately. Speed is essential. Immediately gently irrigate with clean water for at least 15 minutes. Move eyeball and keep eyelids wide open and apart whilst irrigating.

INGESTION:

Seek medical advice immediately, showing the label and/or SDS. Rinse mouth immediately and repeatedly with water. If unconscious do not give anything by mouth, place in the recovery position, check breathing and pulse. If necessary give artificial respiration. **Do not induce vomiting without medical advice.**

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Water, Foam, Carbon dioxide, Dry sand.

FIRE AND EXPLOSION HAZARD

Oxides of phosphorus, Oxides of carbon, Oxides of sulphur, phosphine.

May evolve toxic fumes.

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, mist. Prevent contact with skin, eyes and clothing. 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. Ensure adequate ventilation. 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.

Please refer to Section 13 for disposal considerations.



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7. HANDLING AND STORAGE

HANDLING:

Do not breathe vapour, mist. Prevent contact with skin, eyes and clothing. Use with adequate ventilation.

Avoid generating aerosols and mists. Use personal protective equipment recommended in Section 8.

Should not be handled / used by pregnant women.

STORAGE CONDITIONS:

Keep container in a well-ventilated place. Keep in dry, cool place.

Store away from: Strong bases, Strong oxidizing agents, Reducing agents, Strong acids.

CONSTRUCTION MATERIAL COMPATIBILITY. Compatible with:

High density polypropylene, High density polyethylene.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

None

ENGINEERING MEASURES Use general ventilation with local exhaust ventilation.

RESPIRATORY PROTECTION: If significant mists, vapours or aerosols are generated an approved respirator is recommended, filter-type: AP.

HAND PROTECTION: Butadiene nitrile rubber gloves.

Most glove materials are of low chemical resistance. Replace gloves regularly.

SKIN PROTECTION: Complete suit protecting against chemicals.

EYE PROTECTION: Chemical splash goggles & face shield.

HYGIENE RECOMMENDATIONS: Keep an eye wash fountain available. Keep a safety shower available. Wash hands during breaks and at 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 - Light yellow

ODOUR: Characteristic

VALUE UNIT TEST METHOD

BOILING POINT: 108.5 °C (1013 hPa)

FLASH POINT: NA

VAPOUR PRESSURE (25 °C, dry product) < 0.0000026 hPa

RELATIVE DENSITY: 1130 – 1170 kg/m³ (25 °C)

SOLUBILITY IN WATER: Miscible

(soluble : Methanol, Isopropanol, NMethyl- 2- pyrrolidone)

pH (20 °C) 3 - 6

OCTANOL/WATER COEFFICIENT: - 9.8 log POW (THPS 75 %)

FREEZING POINT: < - 20 °C



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10. STABILITY AND REACTIVITY

STABILITY:

Stable under ambient conditions.

Decomposes: > 160 °C.

CONDITIONS TO AVOID:

Avoid temperatures greater than 160 °C. May evolve toxic fumes: phosphine.

Extremes of temperature.

MATERIALS TO AVOID:

Strong acids, Strong bases, Oxidizing agents, Reducing agents, mild steel

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of phosphorus, Oxides of carbon, Oxides of sulphur, phosphine (under fire conditions).

May evolve toxic fumes.

11. TOXICOLOGICAL INFORMATION

Please refer to section 3 for hazards identification.

The following results are for the active ingredients: 75 % Tetrakis(hydroxymethyl)- phosphonium sulphate Aqueous solution

ACUTE TOXICITY DATA:

ACUTE LETHALITY VALUES:

Oral (rat) LD50 = 575 mg/kg

Dermal (rat) LD50 = > 2000 mg/kg

Inhalation (rat): LC50 = 5.55 mg/l (4hour)

PRIMARY (DRAIZE TEST) SKIN/EYE

skin: not irritating (OECD 404)

eyes: Risk of serious damage to eyes (OECD 405)

SENSITIZATION: May cause sensitization by skin contact.

CHRONIC TOXICITY DATA:

Possible risk of harm to the unborn child.

Tetrakis(hydroxymethyl)- phosphonium sulphate: Toxic for reproduction - Category 3.

12. ECOLOGICAL INFORMATION

The following results are for the active ingredient: 75 % Tetrakis(hydroxymethyl)- phosphonium sulphate Aqueous solution

PERSISTENCY AND DEGRADATION:

Biodegradability: 60% 28 day(s), aerobic conditions

Biodegradability: 60% 30 day(s), anaerobic conditions

MOBILITY AND BIOACCUMULATION POTENTIAL:

The product is not expected to bioaccumulate.

ECOTOXICOLOGICAL EFFECTS:

LC50/96H/Oncorhynchus Mykiss (Rainbow Trout)= 119.0 mg/l

LC50/96H/Lepomis macrochirus (Bluegill Sunfish)= 93.0 mg/l

EC50/48H/Daphnia magna (Water Flea) = 19.4 mg/l

EC50/96H/Selenastrum capricornutum (Green Algae)= 0.20 mg/l

EC50 /3H/Bacteria (Activated sludge)= 24 mg/l

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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

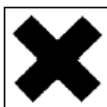
In accordance with the Environmental Protection (Duty of Care) Regulations 1991. Special Waste Regulations 1996 apply.

14. TRANSPORT INFORMATION

Class: Not regulated

15. REGULATORY INFORMATION

CLASSIFICATION:
HAZARD SYMBOL: HARMFUL



Xn, HARMFUL

Contains: Tetrakis(hydroxymethyl)-phosphonium sulphate

RISK PHRASES:

R22 Harmful if swallowed. R41 Risk of serious damage to eyes. R43 May cause sensitization by skin contact.

R63 Possible risk of harm to the unborn child.

SAFETY PHRASES:

S23 Do not breathe vapour, mist. 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 soap and water. S36/S37/39 Wear suitable protective clothing, gloves and eye/face protection. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S53 Avoid exposure - obtain special instructions before use.

NATIONAL REGULATIONS GERMANY

VbF-Klasse: None

WHG-WGK: 2

TA-Luft: -

Berufsgenossensch. Vorschriften: UVV-Chemie beachten.

Hinweise zur Beschäftigungsbeschränkung: -

NATIONAL REGULATIONS UK COSHH regulations apply.



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16. OTHER INFORMATION

Emergency Telephone Number +44 (0) 161 240 2100

RELEVANT RISK PHRASES:

R22 Harmful if swallowed. R41 Risk of serious damage to eyes. R43 May cause sensitization by skin contact.

R63 Possible risk of harm to the unborn child. R50 Very toxic to aquatic organisms.