

SAFETY DATA SHEET

ACCEPTA 9106

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Issued: 31/05/2006

Revision No: 5

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**Product name:** ACCEPTA 9106**Product code:** 9106**Synonyms:** (COPPER/CITRATE ALGICIDE)**Use of substance / preparation:** Liquid used to prevent the growth of algae in swimming pools.**Company name:** Accepta Ltd

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2. HAZARDS IDENTIFICATION**Main hazards:** Irritating to respiratory system and skin. Risk of serious damage to eyes. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**3. COMPOSITION / INFORMATION ON INGREDIENTS****Hazardous ingredients:** CITRIC ACID MONOHYDRATE 10-30%

CAS: 5949-29-1

[Xi] R37/38; [Xi] R41

- COPPER SULPHATE 1-10%

EINECS: 231-847-6 CAS: 7758-98-7

[Xn] R22; [Xi] R36/38; [N] R50/53

- AMMONIA SOLUTION 1-10%

EINECS: 215-647-6 CAS: 1336-21-6

[C] R34; [N] R50

Contains: Cupr-ammonium citrate complex containing 31 g/l copper.**4. FIRST AID MEASURES (SYMPTOMS)****Skin contact:** There may be irritation and redness at the site of contact.**Eye contact:** There may be irritation and redness. The eyes may water profusely.**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.**4. FIRST AID MEASURES (ACTION)****Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

[cont...]

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

Environmental precautions: Do not discharge into drains or rivers.

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not allow to enter surface water courses.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust in the air.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure limits

WEL (8 hr TWA): 1 mg/m³

WEL (15 min STEL): 2 mg/m³

Hazardous ingredients: COPPER SULPHATE

WEL (8 hr TWA): 1 mg/m³ WEL (15 min STEL): 2 mg/m³

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Blue

Odour: Odourless

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: 266 g/l in water @ 20°C

Melting point/range°C: 200

Relative density: 1.3

pH: 3 - 3.8

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat.

Materials to avoid: Strong oxidising agents. Strong acids. Acetylene.

Haz. decomp. products: In combustion emits toxic fumes. If dry heated above 600°C, SO₂ is evolved.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: ACCEPTA 9106

ORL RAT LD50

Hazardous ingredients: COPPER SULPHATE

IVN RAT LD50 48900 µg/kg

ORL MUS LD50 369 mg/kg

ORL RAT LD50 520 mg/kg

- AMMONIA SOLUTION...100%

IVN MUS LD50 91 mg/kg

ORL RAT LD50 350 mg/kg

SCU MUS LDLO 160 mg/kg

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Persistence and degradability: Not biodegradable.

Bioaccumulative potential: Bioaccumulation potential.

Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

13. DISPOSAL CONSIDERATIONS

Disposal operations: When discharging to the sewer diluted material, such as swimming pool water, it is essential to ascertain prior to discharge that the Copper level present is acceptable to the sewage undertaker.

Dispose of in accordance with local and national regulations.

Disposal of packaging: All residues must be removed from packaging prior to disposal as controlled waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

UN no: 3082 **ADR Class:** 9
Packing group: III **Classification code:** M6
Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cupr-ammonium citrate complex)
Labelling: 9 **Hazard ID no:** 90



IMDG / IMO

UN no: 3082 **Class:** 9
Packing group: III **EmS:** F-A,S-F
Marine pollutant: .
Labelling: 9

IATA / ICAO

UN no: 3082 **Class:** 9
Packing group: III
Packing instructions: 914
Labelling: 9

15. REGULATORY INFORMATION

Hazard symbols: Irritant.
Dangerous for the environment.



Risk phrases: R37/38: Irritating to respiratory system and skin.
R41: Risk of serious damage to eyes.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical

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advice.

S39: Wear eye / face protection.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

Haz. ingredients (label): CITRIC ACID MONOHYDRATE; COPPER SULPHATE; AMMONIA SOLUTION...100%

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Other information: Refer to the Manual Handling Operations Regulations 1992.

Store in accordance with HSE Guidance Note CS17.

Classed as special waste by the Hazardous Waste Regulations 2005.

Risk phrases used in s.3: R37/38: Irritating to respiratory system and skin.

R41: Risk of serious damage to eyes.

R22: Harmful if swallowed.

R36/38: Irritating to eyes and skin.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R34: Causes burns.

R50: Very toxic to aquatic organisms.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.