



SAFETY DATA SHEET

CENTREAT 303

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Issued: 28/07/2008

Revision No: 1

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: CENTREAT 303

Product code: 3117003

Use of substance / preparation: Domestic central heating system treatment.

Company name: CH Chemical

Chiltern Estate, Imperial Way

Watford

Hertfordshire

WD24 4YX

United Kingdom

Tel: 0870 8793127

Emergency tel: 07711 009064

2. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: NITRILOTRIACETIC ACID SODIUM SALT 1-10%

EINECS: 225-768-6 CAS: 18662-53-8

[Xn] R22; [Xi] R36/38

- 1-HYDROXYETHANE-1,1-DIPHOSPHONIC ACID 1-10%

EINECS: 220-552-8 CAS: 2809-21-4

[Xi] R41

- AQUEOUS SOLUTION OF MONO- AND DI-ALKYL DISULPHONATED DIPHENYLOXIDE,

NA2 SALT <1%

[Xi] R36; [N] R51/53

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: May cause mild irritation to areas of broken or sensitive skin. There may be mild discomfort and redness.

Eye contact: There may be irritation and redness.

Ingestion: May cause mild irritation of the gastrointestinal tract if large quantities are ingested. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

Inhalation: Not applicable under normal conditions of use. Prolonged inhalation of mists may cause lung inflammation.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and

[cont...]

footwear immediately unless stuck to skin. If irritation develops or persists seek medical attention.

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

Ingestion: If conscious, wash the mouth out with water. If conscious, give half a litre of water to drink immediately. Do not induce vomiting. If irritation develops or persists seek medical attention.

Inhalation: Not applicable under normal conditions of use. Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If symptoms develop seek medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water spray. Alcohol or polymer foam. Carbon dioxide. Alcohol resistant foam. Use water spray to cool containers.

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

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: Wear suitable protective clothing. Refer to section 8 of SDS for personal protection details. Remove all incompatible materials as outlined in section 10 of SDS.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

Handling requirements: Wear suitable protective clothing. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air. Avoid contact with the material.

Storage conditions: Store in cool, well ventilated area. Avoid incompatible materials and conditions - see section 10 of SDS. Protect from low temperatures and frost.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure limits

WEL (8 hr TWA): See Section 16

WEL (15 min STEL): See Section 16

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

Respiratory protection: Not normally required under normal conditions of use. Wear suitable respiratory protection when aerosols or mist are present.

Hand protection: Protective gloves.

Eye protection: Safety glasses.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colourless to pale yellow.

Evaporation rate: Negligible

Solubility in water: Miscible in all proportions

Viscosity: Non-viscous

Relative density: ~ 1.070 g/ml

pH: ~ 3.5

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Low temperatures and frost.

Materials to avoid: Oxidising agents. Strong acids.

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: NITRILOTRIACETIC ACID SODIUM SALT

ORL RAT LD50 1450 mg/kg

SKN RBT LD50 > 10,000 mg/kg

- 1-HYDROXYETHANE-1,1-DIPHOSPHONIC ACID

ORL RAT LD50 2400 mg/kg

SKN RBT LD50 > 7940 mg/kg

- AQUEOUS SOLUTION OF MONO- AND DI-ALKYL DISULPHONATED DIPHENYLOXIDE, NA2 SALT

ORL RAT LD50 > 2000 mg/kg

SKN RBT LD50 > 2000 mg/kg

Chronic toxicity: The material is irritating to the eyes. May be harmful if ingested in quantity.

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

12. ECOLOGICAL INFORMATION

Hazardous ingredients: NITRILOTRIACETIC ACID SODIUM SALT

ALGAE 72H IC50 > 100 mg/l

DAPHNIA 48H EC50 > 100 mg/l

FISH 96H LC50 > 100 mg/l

- 1-HYDROXYETHANE-1,1-DIPHOSPHONIC ACID

DAPHNIA 48H EC50 878 mg/l

FISH 96H LC50 300 mg/l

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- AQUEOUS SOLUTION OF MONO- AND DI-ALKYL DISULPHONATED DIPHENYLOXIDE, NA2 SALT
DAPHNIA 48H EC50 4 mg/l
FISH 96H LC50 4 - 8 mg/l

Mobility: Non-volatile. Soluble in water.

Persistence and degradability: There is no data available at present.

Bioaccumulative potential: There is no data available at present.

Other adverse effects: There is no data available at present. Do not allow to enter watercourses or soils. Spillage in sewers or waterways must be avoided.

13. DISPOSAL CONSIDERATIONS

Disposal of packaging: Contaminated containers must not be treated as household waste. Where practical, containers and packaging should be recycled by a licenced contactor.

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: Not Classified.

IMDG / IMO

UN no: Not Classified.

IATA / ICAO

UN no: Not Classified.

15. REGULATORY INFORMATION

Hazard symbols: Irritant.



Risk phrases: R36: Irritating to eyes.

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.

S37/39: Wear suitable gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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: This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

There are no levels set for this product thus normal standards of industrial hygiene should be observed.

Risk phrases used in s.3: R22: Harmful if swallowed.

R36/38: Irritating to eyes and skin.

R41: Risk of serious damage to eyes.

R36: Irritating to eyes.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.