



Hydro-X

SAFETY DATA SHEET

Hydrocid NRB

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name: Hydrocid NRB

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: A liquid biocide.

1.3. Details of the supplier of the safety data sheet

Company Name: Hydro-X
Unit 1, Manor Drive,
Outgang Lane,
South Yorkshire,
S25 3QU

1.4. Emergency telephone number

01909 565133 info@hydro-x.co.uk

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: AcuteTox.4: H332;AquaticChronic3: H412;EyeDam.1: H318;Repr.2: H361d;SkinSens.1: H317

2.2. Label elements

Label Elements under CLP:

Hazard statements: H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H332: Harmful if inhaled. H361d: Suspected of damaging the unborn child.
H412: Harmful to aquatic life with long lasting effects.

Signal word: Danger

Hazard pictograms:



Precautionary statements: P260: Do not breathe dust/fumes/gas/mist/vapours/spray. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+352: IF ON SKIN: Wash with plenty of water/...
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+313: IF exposed or concerned: Get medical advice/attention.

2.3. Other hazards

PBT: This substance is not identified as a PBT substance

Hydro-X

SAFETY DATA SHEET

Hydrocid NRB

Section 3: Composition/information on ingredients

3.2. Hazardous ingredients

Ingredients	EINECS	CAS	Reach Reg No.	CLP Class	Percent
TETRAKIS (HYDROXYMETHYL) PHOSPHONIUM SULPHATE	259-709-0	55566-30-8		Acute Tox. 3; Acute Tox. 4; Eye Dam. 1; Skin Sens. 1; Repr. 2; Aquatic Acute 1 ; Aquatic Chronic 2 ;	10-30%

Contains :

Section 4: First aid measures

4.1. Description of first aid measures

- Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Consult a doctor.
- Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
- Ingestion: Wash out mouth with water. Consult a doctor.
- Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

- 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.
- Inhalation: Exposure may cause coughing or wheezing.

Section 5: Fire-fighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

- Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

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

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Personal precautions: Do not attempt to take action without suitable protective clothing - see section 8 of SDS.
Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

- Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

- Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and Storage

7.1. Precautions for safe handling

Hydro-X

SAFETY DATA SHEET

Hydrocid NRB

Handling requirements: Avoid direct contact with the substance. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area.
Keep container tightly closed.

Suitable packaging: Polyethylene. Unsuitable packaging: metals and alloys.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control Parameters

8.1. DNEL/PNEC Values

DNEL / PNEC: No data available

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

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

Skin protection: Impermeable protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Solubility in water: Miscible in all proportions

Colour: Colourless

Relative density: 1.085 pH: 3 - 4.5

Odour: Perceptible odour

Viscosity Test Method:

Boiling Point / Range: ca. 100 (H₂O)

Melting Point / Range:

Vapour Press: No data available.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical Stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Hydro-X

SAFETY DATA SHEET

Hydrocid NRB

Hazardous decomposition products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Effects of mixture

Calculated

11.2. Symptoms / routes of exposure

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.

Inhalation: Exposure may cause coughing or wheezing.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: Not applicable

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility in solid: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: Return empty containers to the supplier for recycling. Damaged containers should be destroyed by cutting up or by incineration.
Do not use for potable water.

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

Section 14: Transport information

14.1. UN Number

UN number: -

14.2. UN Proper shipping name

Shipping name: NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.

14.3. Transport hazard class(es)

Transport class:

14.4. Packing Group

Packing group:

Hydro-X

SAFETY DATA SHEET

Hydrocid NRB

14.6. Special precautions for user

Tunnel Code:

Transport category:

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Chemical safety assessment: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010

Phrases used in s.2 and 3: H302: Harmful if swallowed.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H331: Toxic if inhaled.
H332: Harmful if inhaled.
H361d: Suspected of damaging the unborn child.
H400: Very toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

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.