

SAFETY DATA SHEET

HYDRODOS B9

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Compilation date: 26/04/2017

Revision date: 08/02/2019

Revision No: 6

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

1.1. Product identifier

Product name: HYDRODOS B9

CAS number: 7647-01-0

EINECS number: 231-595-7

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

Use of substance / mixture: Preparation for the production of Chlorine Dioxide solutions. For use in potable and industrial grade waters. pH control

1.3. Details of the supplier of the safety data sheet

Company name: Hydrotec (UK) Ltd

5 Manor Courtyard

Hughenden Avenue

High Wycombe

Buckinghamshire

HP13 5RE

Tel: 01494 796040

Fax: 01494 796049

Email: sales@hydrotec.co.uk

1.4. Emergency telephone number

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Skin Corr. 1A: H314

Most important adverse effects: Causes severe skin burns and eye damage.

2.2. Label elements

Label elements:

Hazard statements: H314: Causes severe skin burns and eye damage.

Hazard pictograms: GHS05: Corrosion



Signal words: Danger

Precautionary statements: P352: Wash with plenty of water.

P501: Dispose of contents/container to an approved waste facility.

[cont...]

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P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321: Specific treatment (see information on this label)

P405: Store locked up.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Non-classified ingredients:

HYDROCHLORIC ACID REACH REG. NO. 01-2119484862-27-XXXX - REACH registered number(s): 01-2119484862-27-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-595-7	7647-01-0	-	Skin Corr. 1A: H314	1-10%

Contains: Acidic activator for stabilised chlorine dioxide.

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Immediately wash with soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Transfer to hospital as soon as possible.

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: Liquid product, Inhalation unlikely.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Use media suitable for the surrounding fire.

[cont...]

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5.2. Special hazards arising from the substance or mixture

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: Turn leaking containers leak-side up to prevent the escape of liquid. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Wash the spillage site with large amounts of water.

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

Handling requirements: Ensure there is sufficient ventilation of the area.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	1ppm/2mg/m3	5ppm/8mg/m3	-	-

Non-classified ingredients:

HYDROCHLORIC ACID REACH REG. NO. 01-2119484862-27-XXXX

[cont...]

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Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	1ppm/2mg/m ³	5ppm/8mg/m ³	-	-

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: Nitrile gloves. Neoprene gloves. PVC gloves. Rubber gloves. Breakthrough time of the glove material > 1 hour.

Eye protection: Safety goggles. When handling this product, the use of safety glasses with side shields is recommended. The applicable European Standard can be found in EN 166.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Odourless

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Boiling point/range°C: >35

Flash point°C: >93

Relative density: 1.045

pH: 1 - 2

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 listed below.

10.4. Conditions to avoid

[cont...]

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10.5. Incompatible materials

Materials to avoid: Bases.

10.6. Hazardous decomposition products

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
ORAL	RAT	LD50	900	mg/kg
LD50	RAT	-	900	mg/kg

Non-classified ingredients:

HYDROCHLORIC ACID REACH REG. NO. 01-2119484862-27-XXXX

LD50	RAT	-	900	mg/kg
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Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: Liquid product, Inhalation unlikely.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
RAINBOW TROUT (<i>Oncorhynchus mykiss</i>)	96H LC50	280	mg/l

Hazardous ingredients:

HYDROCHLORIC ACID REACH REG. NO. 01-2119484862-27-XXXX

RAINBOW TROUT (<i>Oncorhynchus mykiss</i>)	96H LC50	280	mg/l
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12.2. Persistence and degradability

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12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Soluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Do not allow concentrated product to enter rivers or water courses.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Disposal should be carried out by licenced contractors.

Disposal of packaging: Containers must be disposed of in a safe way.

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

Section 14: Transport information

Transport class: This product does not require a classification for transport.

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

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H314: Causes severe skin burns and eye damage.

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.