

HYDRO BLAST | SAFETY DATA SHEET

Compilation Date: 12/05/2015 Revision: 1



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

1.1 Product Identifier

Product Name: HYDRO.BLAST
CAS Number: 7722-84-1
EINECS Number: 231-765-0
Index Number: 008-003-00-9

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

Use of substance / mixture: Broad spectrum sanitiser

1.3 Details of the supplier of the safety data sheet

Company: Dejex Supplies Ltd
7 Millfield Road, Donington, Spalding, Lincs. PE11 4UR
Tel: 01775 821800
Email: sales@dejex.co.uk

1.4 Emergency Telephone Number

SECTION 2 : Hazards Identification

2.1 Classification of the substance or mixture

Classification under CLP: Ox. Liq. 1: H271; Acute Tox. 4: H332; Acute Tox. 4: H302; Skin Corr. 1A: H314
Classification under CHIP: Xn: R20/22; C: R34, O: R8
Most important adverse effects: May cause fire or explosion; strong oxidiser. Harmful if inhaled.
Harmful if swallowed. Causes severe skin burns and eye damage.

2.2 Label Elements

Classification under CLP:

Hazard Statements: H271: May cause fire or explosion; strong oxidiser.
H332: Harmful if inhaled.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.

Signal Words: Danger

Hazard Pictograms: GHS03: Flame over circle
GHS05: Corrosion
GHS07: Exclamation mark



Precautionary Statements:

P210: Keep away from heat/sparks/open flames/hot surfaces - No Smoking.
P220: Keep away from clothing/combustible materials.
P221: Take any precaution to avoid mixing with combustibles.
P262: Do not get in eyes, on skin, or on clothing.
P260: Do not breathe vapours.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P305+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing.
Rinse skin with water/shower.
P371+380+375: In case of major fire and large quantities: Evacuate area.
Fight fire remotely due to the risk of explosion.

2.3 Other Hazards

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

SECTION 3 : Composition/Information on Ingredients

3.1 Mixtures

Hazardous Ingredients:

HYDROGEN PEROXIDE SOLUTION - REACH registered number(s): 01-2119485845-22-XXXX

EINECS	CAS	CHIP Classification	CLP Classification	Percent
231-765-0	7722-84-1		Ox. Liq. 1: H271; Acute Tox.4: H332; Acute Tox. 4: H302; Skin Corr. 1A: H314	30-50%

Contains: Contains Silver ions 0.05% w/v stabilised in Hydrogen Peroxide 50%

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. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye Contact:

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

Ingestion:

Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation:

Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

4.2 Most important symptoms and effects, both acute and delayed

Skin Contact:

Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye Contact:

Corneal burns may occur. May cause permanent damage.

Ingestion:

Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation:

There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing and wheezing.

4.3 Indication of any immediate medical attention and special treatment needed

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:

Corrosive. In combustion decomposes to produce oxygen that intensifies fire.

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: Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Percent
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 of containment and cleaning up

Clean up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. 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

SECTION 7 : Handling and storage

7.1 Precautions for safe handling

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 mists in the air.

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end use(s)

SECTION 8 : Exposure controls/personal protection

8.1 Control Parameters

Hazardous ingredients:

HYDROGEN PEROXIDE SOLUTION - 100%

Workplace exposure limits: Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1.4 mg/m ³	2.8 mg/m ³		

DNEL / PNEC

No data available.

8.2 Exposure controls

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

Respiratory protection: No specific recommendations, but respiratory protection may be required under exceptional circumstances. Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Tightly fitting safety goggles. 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
Colour:	Colourless
Oxidising:	Oxidising (by EC criteria)
Boiling point/range C	115
Relative density:	1.20-1.22

9.2 Other information

Other information:	No data available.
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SECTION 10 : Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Chemical stability:	Stable under normal conditions.
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10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

Conditions to avoid:	Heat.
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10.5 Incompatible materials

Materials to avoid:	Strong oxidising agents. Strong acids. Reducing agents. Strong bases.
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10.6 Hazardous decomposition products

Haz. decomp. products:	In combustion emits toxic fumes.
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SECTION 11 : Toxicological information

11.1 Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
IPR	RAT	LDLO	100	mg/kg
ORL	MUS	LD50	1312	mg/kg
ORL	RAT	LD50	415	mg/kg
SKN	RBT	LD50	>5000	mg/kg
VAPOURS	RAT	4H LC50	>0.17	mg/kg

Hazardous ingredients:

HYDROGEN PEROXIDE SOLUTION 100%

IPR	MUS	LD50	2	mg/kg
ORL	RAT	LD50	376	mg/kg
SKN	RAT	LD50	4060	mg/kg

Effect	Route	Basis
Acute toxicity (harmful)	INH ING	Hazardous: calculated
Corrosivity	OPT INH DRM	Hazardous: calculated

Symptoms / routes of exposure

Skin contact:	Blistering may occur. Progressive ulceration will occur if treat is not immediate.
Eye contact:	Corneal burns may occur. May cause permanent damage.
Ingestion:	Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.
Inhalation:	There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

SECTION 12 : Ecological information

12.1 Toxicity

Ecotoxicity values:

Species	Test	Value	Units
Daphnia magna	48H EC50	2.4-7.7	mg/l
FISH	96H LC50	70.3	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	31.3	mg/l

Hazardous ingredients:

HYDROGEN PEROXIDE SOLUTION 100%

FISH Fathead Minnow	96H LC50	22-33	mg/l
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12.2 Persistence and degradability

Persistence and degradability: Biodegradable.

12.3 Bioaccumulative potential

Bioaccumulative potential: No bioaccumulative potential.

12.4 Mobility in soil:

Mobility: Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment

PBT identification: This product 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:

Disposal should be carried out by licenced contractors.

Do not allow entry to drains or waterways.

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: UN2014

14.2 UN proper shipping name

Shipping name: HYDROGEN PEROXIDE, AQUEOUS SOLUTION

14.3 Transport hazard class(es)

14.4 Packaging group

Packaging group: II

14.5 Environmental hazards

Environmentally hazardous: No Marine pollutant: No

14.6 Special precautions for user

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:

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010
* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3:

H271: May cause fire or explosion, strong oxidiser.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H332: Harmful if inhaled.
R8: Contact with combustible material may cause fire.
R20/22: Harmful by inhalation and if swallowed.
R34: Causes burns.

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.