



AquahydroxTM MATERIAL SAFETY DATA SHEET

RS Hygiene Limited, The Street Worlington Suffolk IP28 8RX

Telephone: 01638 714 444

1. Identification of the substance/preparation and company/undertaking

Name: Aquahydrox
Synonyms: Hydrogen Peroxide Solution, , Hydrogen Dioxide, , Interox AG - Dual
Application: Cleaning agent Disinfectant
Supplied by: RS Hygiene Ltd, The Street, Worlington, Suffolk IP28 728
Tel: 01638 714 444 Fax: 08707 628 728

2. Hazards identification

Harmful if swallowed. Risk of serious damage to eyes. Irritating to respiratory system and skin.
Classification: Xn;R22. Xi;R37/38, R41

3. Composition/information on ingredients

Name	EC No.	CAS-No.	Content	Classification
HYDROGEN PEROXIDE SOLUTION ... %	231-765-0	7722-84-1	25-50%	R5 O;R8 C;R35 Xn;R20/22

4. First Aid measures

NOTES TO THE PHYSICIAN

Treat according to symptoms: Treat eye first. Avoid gastric washing, use of gastric catheter to release stomach gases. In case of intense pain, inject an I.M. Morphomimetic analgesic drug (Pititramide) before taking to hospital

INHALATION

Remove victim immediately from source of exposure. Get medical attention.

INGESTION

Get medical attention immediately! Do not induce vomiting. Immediately rinse mouth and drink plenty of water (200-300 ml).

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention immediately.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

5. Fire Fighting measures.

EXTINGUISHING MEDIA

Water. Water..

UNUSUAL FIRE & EXPLOSION HAZARDS

OXIDISING!

SPECIFIC HAZARDS

Oxygen.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental Release measures.

PERSONAL PRECAUTIONS

Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of spray mist and contact with skin and eyes. Provide adequate ventilation.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Absorb with inert, damp, non-combustible material, then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

7. Handling & Storage.

USAGE PRECAUTIONS

Avoid contact with skin and eyes. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented.

STORAGE PRECAUTIONS

Keep in original container.

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8. Exposure Controls/personal protection.

Name	Std	LT - ppm	LT - mg/m ³	ST - ppm	ST - mg/m ³
HYDROGEN PEROXIDE SOLUTION ... %	WEL	1 ppm	1.4 mg/m ³	2 ppm	2.8 mg/m ³



PROTECTIVE EQUIPMENT

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

HAND PROTECTION

PVC gloves are recommended.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear rubber apron. Wear rubber footwear.

9. Physical & Chemical Properties.

APPEARANCE Liquid

COLOUR Colourless

ODOUR Pungent

SOLUBILITY Soluble in water

BOILING POINT (°C) 100 - 120 RELATIVE DENSITY 1.1 - 1.2

VAPOUR PRESSURE 12 mbar 20 pH-VALUE, CONC. SOLUTION 1 - 4

10. Stability & Reactivity.

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition.

MATERIALS TO AVOID

Strong acids. Strong alkalis. Strong oxidising substances. Strong reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxygen.

11. Toxicological Information.

TOXIC DOSE 1 - LD 50 841 - 1232 mg/kg (oral rat)

INHALATION

Harmful: possible risk of irreversible effects through inhalation.

INGESTION

Harmful if swallowed.

SKIN CONTACT

Prolonged contact may cause redness, irritation and dry skin.

EYE CONTACT

Risk of serious damage to eyes.

12. Ecological Information.

LC 50, 96 Hrs, FISH mg/l 16.4

EC 50, 48 Hrs, DAPHNIA, mg/l 2.4

IC 50, 72 Hrs, ALGAE, mg/l 0.85

MOBILITY

The product is soluble in water.

BIOACCUMULATION

Will not bio-accumulate.

DEGRADABILITY

The product is easily biodegradable.

13. Disposal considerations.

GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. Do not puncture or incinerate even when empty.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

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14. Transport Information.



UK ROAD CLASS 5.1			
PROPER SHIPPING NAME	HYDROGEN PEROXIDE, AQUEOUS SOLUTION		
UN NO.ROAD	2014	UK ROAD PACK GR.	II
ADR CLASS NO.	5.1	ADRClass	Class5.1: Oxidising substances.
ADR PACK GROUP	II	HAZARD No. (ADR)	58
ADR LABEL NO.	5.1 & 8	HAZCHEM CODE	2P
CEFIC TEC(R) NO.	51GOC1-I+II+III	RID CLASS NO.	5.1
RID PACK GROUP	II	UN NO. SEA	2014
IMDG CLASS	5.1	IMDG PACK GR.	II
EMS	F-H, S-Q	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	2014
AIR CLASS	5.1	AIR SUB CLASS	8
AIR PACK GR.	II		

15.Regulatory Information

LABELLING



HARMFULL

CONTAINS	HYDROGEN PEROXIDE SOLUTION ... %
RISK PHRASES	
R22	Harmful if swallowed.
R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage 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.
S51	Use only in well-ventilated areas.
S60	This material and its container must be disposed of as hazardous waste.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations

Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

16. Other Information.

REVISION DATE	28th August 2007	RISK PHRASES IN FULL	
REV. NO./REPL. SDS GENERATED	05	R20/22	Harmful by inhalation and if swallowed.
SDS NO.	H021	R35	Causes severe burns.
SAFETY DATA SHEET STATUS		R37	Irritating to respiratory system.
Approved.		R5	Heating may cause an explosion.
DATE	27th March 2007	R8	Contact with combustible material may cause fire.
SIGNATURE	Jitendra Panchal		