



# Aquaperox<sup>TM</sup> 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: Aquaperox  
Synonyms: Peracetic acid 3.30,PAA  
Supplied by: RS Hygiene Ltd, The Street, Worlington, Suffolk IP28 728  
Tel: 01638 714 444 Fax: 08707 628 728

## 2. Hazards identification

Classification: Xn;R22. C;R34. O;R8.

Contact with combustible material may cause fire.  
Harmful if swallowed. Causes burns.

## 3. Composition/information on ingredients

Name	EC No.	CAS-No.	Content	Classification
ACETIC ACID ...%	200-580-7	64-19-7	5-10%	R10 C;R35
HYDROGEN PEROXIDE SOLUTION ... %	231-765-0	7722-84-1	25-50%	R5 O;R8 C;R35 Xn;R20/22
PERACETIC ACID ...%	201-186-8	79-21-0	1-5%	O;R7 R10 C;R35 Xn;R20/21/22 N;R50

## 4. First Aid measures

### INHALATION

When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on the side in the recovery position and ensure breathing. Move into fresh air and keep at rest. Get medical attention immediately!

### INGESTION

Get medical attention immediately! Move injured person into fresh air and keep person calm under observation. If necessary, seek hospital and bring these instructions. Do not induce vomiting. Do not give victim anything to drink if they are unconscious.

### SKIN CONTACT

Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with 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. Immediately transport to hospital or eye specialist.

## 5. Fire Fighting measures.

### EXTINGUISHING MEDIA

Water. Water spray.

### SPECIAL FIRE FIGHTING PROCEDURES

Keep up-wind to avoid fumes. Water spray should be used to cool containers.

### UNUSUAL FIRE & EXPLOSION HAZARDS

OXIDISING! May explode in a fire.

### SPECIFIC HAZARDS

In case of fire, toxic gases may be formed. Fire creates: 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

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes.

### ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

### SPILL CLEAN UP METHODS

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush area with plenty of water. Do not contaminate water sources or sewer.

## 7. Handling & Storage.

### USAGE PRECAUTIONS

Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Avoid inhalation of vapours/spray and contact with skin and eyes.

### STORAGE PRECAUTIONS

Oxidising material - Keep away from flammable and combustible materials. Store in tightly closed original container in a dry, cool and well-ventilated place. Ground container and transfer equipment to eliminate

static electric sparks. Keep containers tightly closed. Keep in original container. Keep away from heat, sparks and open flame.

### STORAGE CLASS

Oxidiser storage.



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## 8. Exposure Controls/personal protection.

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



### PROCESS CONDITIONS

Eye wash facilities and emergency shower must be available when handling this product.

### ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded.

### RESPIRATORY EQUIPMENT

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

### HAND PROTECTION

Protective gloves must be used if there is a risk of direct contact or splash. Butyl rubber gloves are recommended.

### EYE PROTECTION

Wear tight-fitting goggles or face shield.

### OTHER PROTECTION

Wear rubber apron. Wear rubber footwear. Provide eyewash station.

### HYGIENE MEASURES

Wash contaminated clothing before reuse. Wash promptly if skin becomes wet or contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Discard contaminated shoes and clothing. When using do not

## 9. Physical & Chemical Properties.

APPEARANCE	Liquid
COLOUR	Colourless
ODOUR	Pungent
SOLUBILITY	Miscible with water. Soluble in Organic solvents.
MELTING POINT	(°C) -30

RELATIVE DENSITY	1.1
pH-VALUE, CONC. SOLUTION	<2
DECOMPOSITION TEMPERATURE (°C)	>=60
PARTITION COEFFICIENT (N-Octanol/Water)	-1.25

## 10. Stability & Reactivity.

### STABILITY

Stable under normal temperature conditions and recommended use. Avoid: Contact with combustibles.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

### MATERIALS TO AVOID

Metal or metallic Strong reducing agents. Powdered metal. Strong acids. Strong alkalis. Flammable/combustible material.

### HAZARDOUS DECOMPOSITION PRODUCTS

Oxygen.

## 11. Toxicological Information.

TOXIC DOSE 1 - LD 50 1175 (2% solution) mg/kg (oral rat)

### INHALATION

Vapours irritate the respiratory system, and may cause coughing and difficulties in breathing. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

### INGESTION

Harmful if swallowed. May cause chemical burns in mouth, oesophagus and stomach. Pneumonia may be the result if vomited material containing solvents reaches the lungs. Difficulty in breathing. Causes

severe burns. Pulmonary oedema, frothy sputum.

### SKIN CONTACT

Corrosive. Prolonged contact causes serious tissue damage. Causes burns.

### EYE CONTACT

May cause chemical eye burns. May cause severe irritation to eyes. Irritating and may cause redness and pain. Risk of corneal damage. Vapour or spray may cause eye damage, impaired sight or blindness.

## 12. Ecological Information.

### ECOTOXICITY

The product is mildly toxic to aquatic organisms.

LC 50, 96 Hrs, FISH mg/l 13

### MOBILITY

The product is soluble in water.

### BIOACCUMULATION

The product is not bioaccumulating.

### DEGRADABILITY

The product is biodegradable.

## 13. Disposal considerations.

### GENERAL INFORMATION

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the 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 AND PEROXYACETIC ACID MIXTURE, STABILIZED		
UN NO. ROAD	3149	UK ROAD PACK GR.	II
ADR CLASS NO.	5.1	ADR CLASS	Class 5.1: 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	3149
IMDG CLASS	5.1	IMDG PACK GR.	II
EMS	F-H, S-Q	MARINE POLLUTANT	No.
UN NO. AIR	3149	AIR CLASS	5.1
AIR SUB CLASS	8	AIR PACK GR.	II

## 15. Regulatory Information

### LABELLING



Corrosive



Oxidising

CONTAINS HYDROGEN PEROXIDE SOLUTION ... %  
PERACETIC ACID 3%

### RISK PHRASES

R8 Contact with combustible material may cause fire.

R22 Harmful if swallowed.

R34 Causes burns.

### SAFETY PHRASES

S17

Keep away from combustible material.

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.

S36/37/39

Wear suitable protective clothing, gloves and eye/face protection.

S45

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

S60

This material and its container must be disposed of as hazardous waste.

### EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EC.

### STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

### 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.

ISSUED BY	RS Hygiene Limited	R20/22	Harmful by inhalation and if swallowed.
REVISION DATE	25th April 2008		Causes severe burns.
REV. NO./REPL. SDS GENERATED	01	R35	Irritating to respiratory system.
SDS NO.	P259	R37	Heating may cause an explosion.
SAFETY DATA SHEET STATUS	Approved.	R5	Very toxic to aquatic organisms.
RISK PHRASES IN FULL		R50	May cause fire.
R10	Flammable.	R7	Contact with combustible material may cause fire.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.	R8	