

PHARMAQ

SAFETY DATA SHEET

1. IDENTIFICATION OF MATERIAL AND COMPANY

Trade Name: Vetroxyl

Use: Biocide with applications in food processing and animal husbandry

Name and Address of contact:

PHARMAQ Limited

Unit 15, Sandleheath Industrial Estate

Fordingbridge

Hants SP6 1PA

Telephone number (01425) 656081

2. COMPOSITION/INFORMATION ON COMPONENTS

Main components:

Hydrogen peroxide: 5% to 10%

CAS number: 7722-84-1

Stabilisers

Symbols(s)-R-phrases:

Hydrogen peroxide: O C R8-34

3. HAZARDS IDENTIFICATION

Main risks:

Causes burns. Harmful if swallowed or inhaled.

Contact with combustible material may cause fire.

Risk of decomposition in contact with metals, alkalis and reducing agents.

Environmental. Effects:

No dangerous environmental effect when instructions for use are followed.

4. FIRST AID MEASURES

Inhalation:

Move to fresh air

If breathing affected give artificial respiration and seek immediate medical advice.

Skin contact:

Immediately remove all contaminated clothing.

Wash immediately with plenty of water for at least 15 minutes.

If any sign of irritation appears, seek medical attention from a dermatologist.

Eye contact:

Rinse at once with a gentle stream of water for at least 15 minutes, eyes wide open.

Always seek medical advice.



If swallowed:
Rinse mouth with water.
If possible prop up patient to allow release of gases from the stomach.
Do not induce vomiting
Take to hospital

5. FIRE-FIGHTING MEASURES

Extinguishing means recommended:
Fine spray of water, agents compatible with other products involved into fire.

Protective equipment:
Wear independent respiratory equipment unless in well ventilated area and protective overalls, gloves and goggles or face shield.

Specific risks:
VETROXYL is non-flammable but may contribute to fire due to oxygen being released forming explosive mixtures with many other materials.

6. ACCIDENTAL RELEASE MEASURES

Individual precautions:
Wear suitable protective clothing (rubber or PVC gloves, eye/face protection, overalls.
Use breathing apparatus if large amounts released.

Environmental precautions
Intervention limited to trained staff
Prevent direct discharge of the product to sewer or to the environment.
Remove all incompatible materials from area of spillage.

Small spillage:
Wash with plenty of water.

Large spillage:
Absorb spillage with inert material. DO NOT use sawdust, cloth or any combustible material. Place any salvaged material in an emergency tank, NOT the original container.

7. HANDLING AND STORAGE

Handling:
Wear suitable protective clothing
When using, avoid spray mists
Operate in a well ventilated place

Storage:
Keep only in the original container
Keep in a clean, cool and well ventilated place away from sources of heat and intense light.
Keep container closed.
Keep away from flammable materials.

Packaging or bottling materials:
High density polyethylene recommended with venting closure.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

EMV (Exposure medium value):

hydrogen peroxide: 1.4 mg/m³

Engineering measures:

Safety shower and eye wash fountain near to workplace.

Personal protective equipment:

Wear gloves, goggles and protective clothing.

Hygiene measures:

After using, wash systematically all personal protective equipment

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid
Colour:	Colourless
Freezing point	-25°C
Solubility:	Soluble in water in all proportion
Pure pH	ca. 2.0
pH value at 10 g/l	3 + 0.5
Mass density	1.2 g/cm ³ (at 20C)

10. STABILITY AND REACTIVITY

Hazardous reactions:

Exothermic reactions with release of oxygen in contact with certain metals (copper, iron) reducing agents, flammable materials.

Hazardous decomposition products:

Release of oxygen

Other information:

Mixtures with easily flammable substances may produce explosive reactions.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

LD50 oral-rat

hydrogen peroxide: 1000mg/kg

Local effects:

Inhalation:

May cause severe inflammation and oedema of the nose, throat and respiratory system.

Skin contact:

Corrosive: Causes burns

Eye contact:

Contact with eyes may cause lesions to the cornea appearing sometimes only after a few days.



Ingestion:

May cause caustic lesions to mouth and throat mucous membranes
Gases may build up in the stomach.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Daphnia:

CE50-48h

hydrogen peroxide: 2.4-7.7 mg/l

Fish:

CL50-96h

hydrogen peroxide: 16.4-27 mg/l

Other data:

Prevent direct discharge of large volumes of concentrated product.

13. DISPOSAL CONSIDERATIONS

Disposal according to local, federal or state legislation.

Prevent direct discharge of the product to sewer or to the environment.

14. TRANSPORT INFORMATION

NOTE: Aqueous solutions containing less than 8% hydrogen peroxide are not subject to ADR provisions.

TRANSPORT BY ROAD:

Rail/Road (RID/ADR)

Transport denomination: Hydrogen Peroxide Stabilised Aqueous Solution

Class: 5.1

Packing group III

UN-No: 2984

Item: 1°(c)

Hazard code: 50

Label: 5.1

15. REGULATORY INFORMATION

Labelling:

OXIDISING

Symbol:

O

Risk-First aid:

R34: Causes burns

R8: Contact with combustible material may cause fire

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 if possible).



16. OTHER INFORMATION

The safety data sheet is additional to the technical data sheet but does not replace it. The information given herein is to the best of our knowledge correct and given in good faith. It relates to the product in the state in which it is delivered. This product is for the uses specified and should only be used for those purposes. Any other use may involve risks. The user will take sole responsibility for the precautions relating to the use of the product.

It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

ISSUE DATE: 17.9.98
Revised 21 Dec 2004

