



SAFETY DATA SHEET

HYDROGEN PEROXIDE 35%

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

PRODUCT NAME: HYDROGEN PEROXIDE 35%

PART No.: RM125

SUPPLIER: J M Loveridge plc
Southbrook Road, Southampton
Hampshire
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Tel: 023 8022 2008
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2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME			CONTENT
CAS No.:	EINECS Nr.:	CLASSIFICATION	
HYDROGEN PEROXIDE			30-60 %
7722-84-1	231-765-0	C ,O R-8, 34	

The Full Text for all R-Phrases are Displayed in Section 16

EU INDEX No.: 008-003-00-9

EEC (EINECS) No. 231-765-0

CAS No.: 7722-84-1

3. HAZARDS IDENTIFICATION:

Causes burns.

4. FIRST AID MEASURES:

GENERAL: IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION

INHALATION: Remove affected person from exposure, rest and keep warm. If recovery not rapid or complete seek medical attention.

INGESTION: DO NOT INDUCE VOMITING. In case of spontaneous vomiting, be sure that vomit can freely drain because of danger of suffocation. Only when conscious, rinse mouth with plenty of water and give plenty of water to drink - (approx 500ml). Keep patient at rest and obtain medical attention.

SKIN:	Remove contaminated clothing. Wash affected area with plenty of soap and water. If symptoms occur or persist, obtain medical attention.
EYES:	Keeping eye open, immediately irrigate with water or eye-wash for 15 minutes. Obtain medical attention.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:	Use extinguishing media appropriate for surrounding fire. Water.
UNUSUAL FIRE & EXPLOSION HAZARDS:	Thermal decomposition may liberate oxygen which will contribute to the combustion of other materials.
PROTECTIVE MEASURES IN FIRE:	Fire fighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTION IN SPILL:	Avoid direct contact with skin, eyes and clothing.
PRECAUTIONS TO PROTECT ENVIRONMENT:	Prevent contamination of soil, drains and surface water.
SPILL CLEANUP METHODS:	Take-up spillage with absorbent, inert material and place in a suitable and closable labelled container for recovery or disposal. Wash the area clean with water and detergent, observing environmental requirements. DO NOT USE OXIDISABLE MATERIALS TO SOAK-UP SPILLAGES!

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	HANDLING - Product should be used in accordance with good industrial principles for handling and storing of hazardous chemicals. Avoid contact with skin or eyes. Do not use near ignition sources or reactive materials.
STORAGE PRECAUTIONS:	Store in a cool, dry, well ventilated place, in securely closed original container. Keep container tightly closed and in cool place.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
HYDROGEN PEROXIDE	7722-84-1	OES	1 ppm	2 ppm

VENTILATION:	Provide adequate general and local exhaust ventilation.
RESPIRATORS:	DO NOT use respiratory protective equipment with oxidisable sorbents.
PROTECTIVE GLOVES:	Use protective gloves.
EYE PROTECTION:	Use approved safety goggles or face shield.
OTHER PROTECTION:	Wear appropriate clothing to prevent any possibility of skin contact.
HYGIENIC WORK PRACTICES:	SKIN PROTECTION - apply barrier cream to hands and exposed skin. Promptly remove any clothing that becomes contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Colourless liquid.	
ODOUR/TASTE:	Slightly pungent odour.	
DENSITY/SPECIFIC GRAVITY (g/ml):	~ 1.1- 1.2	Temperature (°C):
SOLUBILITY DESCRIPTION:	Miscible with water in all proportions.	

10. STABILITY AND REACTIVITY:

STABILITY:	Slowly decomposes, evolving oxygen. High pressure can develop in sealed containers.
CONDITIONS TO AVOID:	Avoid excessive heat.
MATERIALS TO AVOID:	Readily decomposed by dust, metals, carbon, salts. Reacts vigorously with permanganates. Avoid contact with organic materials, flammable substances, alkalis.
HAZARDOUS DECOMP. PRODUCTS:	Oxygen.

11. TOXICOLOGICAL INFORMATION:

Toxicological data	LD50. Oral. Rat. 1518 mg/kg (12% solution)
HEALTH HAZARDS, GENERAL:	Corrosive to eyes, skin and mucous membranes.
INHALATION:	Irritating to mucous membranes. Irritating to the respiratory system.
INGESTION:	If ingested, sudden evolution of oxygen may cause injury by distention of stomach and may cause perforation of the gastro-intestinal tract and internal bleeding.
SKIN:	Severe irritation, temporary whitening of skin.
EYES:	May cause corneal damage, chronic irritation and swelling.

12. ECOLOGICAL INFORMATION:

LC 50, 96 HRS, FISH mg/l:	16.4 mg/l (Pimephales promelas)
EC 50, 48 HRS, DAPHNIA, mg/l:	2.4 mg/l (Daphnia pulex)
BIO ACCUMULATION:	Does not bioaccumulate.
DEGRADABILITY:	Readily biodegradable. Will inhibit action of biological treatment plant.

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS:	This material and/or its container must be disposed of as hazardous waste according to Special Waste Regulations 1996 or according to local regulations, in compliance with Duty of Care Regulations and Special Waste Regulations.
WASTE CLASS:	WASTE CODE: 0705** HAZARDOUS PROPERTY: H2, H8

14. TRANSPORT INFORMATION:

UK ROAD PACK GR.:	II
ADR CLASS No.:	5.1
ADR CLASS:	Division 5.1: Oxidizing substances. - Subsidiary class 8
ADR ITEM No.:	1°(b)
HAZARD No. (ADR):	58 Oxidizing (fire-intensifying) substance, corrosive.
ADR MARGINAL:	2501
ADR LABEL No.:	5.1 + 0.8
HAZCHEM CODE:	2P
PROPER SHIPPING NAME I:	HYDROGEN PEROXIDE, AQUEOUS SOLUTION (35%)
UN No. SEA:	UN 2014
IMDG CLASS:	5.1
IMDG PAGE No.:	5151
IMDG PACK GR.:	II
SEA TRANSPORT NOTES:	Subsidiary risk label required - class 8
UN No., AIR:	UN-ID 2014
ICAO CLASS:	5.1
AIR PACK GR.:	II
AIR TRANSPORT NOTES:	Subsidiary risk label required - class 8

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:

RISK PHRASES:	R-34 Causes burns.
SAFETY PHRASES:	S-1/2 Keep locked up and out of the reach of children. S-36/39 Wear suitable protective clothing and eye/face protection. S-28A After contact with skin, wash immediately with plenty of water. S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S-3 Keep in a cool place.

UK REGULATORY REFERENCES: Chemicals (Hazard Information & Packaging) Regulations 1993. Classification, Packaging and Labelling Regulations 1984.

16. OTHER INFORMATION:

INFORMATION SOURCES: This product has been classified in accordance with CHIP3 regulations.

REVISION COMMENTS: Edition 01; Revised item(s):

ISSUED BY: MK

SDS No.: 237

DATE: 12/07/02

DISCLAIMER: The foregoing data has been compiled for safety information only and does not form part of any selling specification. Information contained in this Data Sheet is to the best of JMLs knowledge correct at the time of publication. Customers should always satisfy themselves, that the product which they have selected is entirely suitable for their purpose under their conditions of use and in compliance with current regulations. For any further information, please contact the supplier.

R-PHRASES (Full Text): R-8 Contact with combustible material may cause fire. R-34 Causes burns.