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ReAgent

SAFETY DATA SHEET HYDROGEN PEROXIDE 100 VOLS LRG

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME HYDROGEN PEROXIDE 100 VOLS LRG
 PRODUCT NO. 1208
 APPLICATION General chemical reagent
 SUPPLIER Reagent Chemical Services
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2 HAZARDS IDENTIFICATION

Harmful if swallowed. Risk of serious damage to eyes.

CLASSIFICATION Xn;R22. Xi;R41.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
HYDROGEN PEROXIDE SOLUTION ... %	231-765-0	7722-84-1	10-30%	R5 O;R8 C;R35 Xn;R20/22

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

4 FIRST-AID MEASURES

INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

INGESTION

Do not induce vomiting. Immediately rinse mouth and drink plenty of water. Get medical attention immediately!

SKIN CONTACT

Immediately remove contaminated clothing and wash before re-use. Rinse the skin immediately with lots of water. Get medical attention immediately.

EYE CONTACT

May cause permanent damage if eye is not immediately irrigated. Promptly wash eyes with plenty of water or eye wash solution while lifting the eyelids. If possible remove any contact lenses and continue to wash. Get medical attention immediately.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

The product is non-combustible. Water spray. Do not use carbon dioxide or dry powder.

SPECIFIC HAZARDS

Vapours/gases/fumes of: Oxygen. May ignite combustible materials.

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.

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers. Wash contaminated area with water.

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7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store away from combustible materials. Store in vented, original containers in a cool, dry place.

STORAGE CLASS

Oxidiser storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
HYDROGEN PEROXIDE SOLUTION ... %	OES	1 ppm	1.4 mg/m ³	2 ppm	2.8 mg/m ³	

ENGINEERING MEASURES

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

RESPIRATORY EQUIPMENT

In case of inadequate ventilation use suitable respirator.

HAND PROTECTION

Use full-length gloves. Nitrile.

EYE PROTECTION

Wear goggles/face shield.

OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination. Provide eyewash station and safety shower.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Colourless		
ODOUR	Odourless		
SOLUBILITY	Miscible with water.		
RELATIVE DENSITY	1.1	pH-VALUE, CONC. SOLUTION	2 - 4

10 STABILITY AND REACTIVITY

STABILITY

Limited storage life.

CONDITIONS TO AVOID

Avoid heat.

MATERIALS TO AVOID

Alkali metals. Alkali earth metals. Bases, alkalies (inorganic). Metals. Powdered metal. Metal oxides. Aldehydes. Alcohols, glycols. Ammonia. Amines. Inorganic hydrides. Flammable/combustible material. Ethers. Acids. Acid anhydrides. Strong oxidising substances. Potassium permanganate. Organic nitro compounds. Organic solvents.

11 TOXICOLOGICAL INFORMATION

INHALATION

Irritating to respiratory system.

INGESTION

Corrosive. Even small amounts may cause serious damage.

SKIN CONTACT

Causes burns.

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EYE CONTACT

Strongly corrosive. Causes severe burns and serious eye damage. Immediate first aid is imperative.

HEALTH WARNINGS

Found to cause cancer in laboratory animals.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Although not classified as environmentally hazardous, harmful effects cannot be excluded in the event of improper handling or disposal.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

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

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	ADR CLASS	Class 5.1: Oxidising substances.
ADR PACK GROUP	II	ADR LABEL NO.	5.1 & 8
HAZCHEM CODE	2P	CEPIC 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 PAGE NO.	5.1 & 8	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



Harmful

CONTAINS HYDROGEN PEROXIDE SOLUTION ... %

RISK PHRASES

- R22 Harmful if swallowed.
- R41 Risk of serious damage to eyes.

SAFETY PHRASES

- S25 Avoid contact with eyes.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S39 Wear eye/face protection.
- S60 This material and its container must be disposed of as hazardous waste.

HYDROGEN PEROXIDE 100 VOLS LRG

STATUTORY INSTRUMENTS

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

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. COSHH essentials: Easy steps to control chemicals. Control of Substances Hazardous to Health Regulations.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

NATIONAL REGULATIONS

Control of Substances Hazardous to Health Regulations 2002 (as amended)

16 OTHER INFORMATION

REVISION COMMENTS

Dchanges to sections 2, 3, 12, 15

REVISION DATE

June 2005

REV. NO./REPL. SDS GENERATED Supercedes issue June 2004

SDS NO.

10850

RISK PHRASES IN FULL

R35	Causes severe burns.
R8	Contact with combustible material may cause fire.
R20/22	Harmful by inhalation and if swallowed.
R5	Heating may cause an explosion.
R37	Irritating to respiratory system.