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# ReAgent

## SAFETY DATA SHEET HYDROGEN PEROXIDE 20 VOL LRG

According to Regulation (EC) No 1907/2006

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

PRODUCT NAME HYDROGEN PEROXIDE 20 VOL LRG  
 PRODUCT NO. 6008  
 APPLICATION General chemical reagent  
 SUPPLIER Reagent Chemical Services  
 18 Aston Fields Road  
 Whitehouse Industrial Estate  
 Runcorn  
 Cheshire WA7 3DL  
 T: 01928 716903  
 F: 01928 716425  
 E: [info@reagent.co.uk](mailto:info@reagent.co.uk)  
 EMERGENCY TELEPHONE Emergency Telephone : +44 (0) 1928 716903 Between 08.30 - 17.00

### 2 HAZARDS IDENTIFICATION

Irritating to eyes.

CLASSIFICATION Xi;R36.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
HYDROGEN PEROXIDE SOLUTION ... %	231-765-0	7722-84-1	5-10%	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. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

#### EYE CONTACT

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.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Water spray.

#### SPECIFIC HAZARDS

In case of fire, toxic and corrosive gases may be formed.

#### 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.

## HYDROGEN PEROXIDE 20 VOL LRG

### SPILL CLEAN UP METHODS

Small Spillages Absorb with inert, non-combustible material. Large Spillages Dam and absorb spillages with sand, earth or other inert, non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Wash spillage site well with water and detergent, be aware of the potential for surfaces to become slippery. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Wash thoroughly after dealing with a spillage.

### 7 HANDLING AND STORAGE

#### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

#### STORAGE PRECAUTIONS

Store in vented, original containers in a cool, dry place. Oxidising material - Keep away from flammable and combustible materials.

#### STORAGE CLASS

Chemical storage.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
HYDROGEN PEROXIDE SOLUTION ... %	OES	1 ppm	1.4 mg/m3	2 ppm	2.8 mg/m3	

#### 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 protective gloves. Rubber or plastic

#### EYE PROTECTION

Wear approved safety goggles.

#### 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	1.02	pH-VALUE, CONC. SOLUTION	<1

### 10 STABILITY AND REACTIVITY

#### STABILITY

Limited storage life.

#### MATERIALS TO AVOID

Strong alkalis. Alkali metals. Alkali earth metals. Powdered metal. Metal oxides. Aldehydes. Alcohols, glycols. Amines. Combustible materials Ethers. Acids. Organic solvents. Organic nitro compounds. Strong oxidising substances. Acid anhydrides. Metals.

### 11 TOXICOLOGICAL INFORMATION

#### INHALATION

Irritating to respiratory system.

#### INGESTION

Irritating. May cause nausea, stomach pain and vomiting. May cause perforation in the oesophagus and stomach.

#### SKIN CONTACT

Irritating to skin.

# HYDROGEN PEROXIDE 20 VOL LRG

EYE CONTACT  
Irritating to eyes.

## 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

GENERAL	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
	No transport warning sign required.
MARINE POLLUTANT	No.

## 15 REGULATORY INFORMATION

**LABELLING**



Irritant

**RISK PHRASES**

R36                      Irritating 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.  
 S60                      This material and its container must be disposed of as hazardous waste.

**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**

Changes to sections 3, 15. Change to section 1

REVISION DATE                      25/09/2008

REV. NO./REPL. SDS GENERATED    1

SDS NO.                                      10164

**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.