

# MATERIAL SAFETY DATA SHEET

## HYDROGEN PEROXIDE (6%)

### 1. IDENTIFICATION OF PRODUCT AND SUPPLIER

Product Name: Hydrogen Peroxide solution  
CAS 7722-84-1

Supplier: Scenesafe<sup>®</sup> Business Unit  
Unit 29,  
Gravelly Industrial Park  
BIRMINGHAM  
B24 8HZ  
  
Tel: 0870 609 2385

### 2. COMPOSITION

Hydrogen peroxide (6%)

Xi – Irritating to eyes and skin

Distilled water

### 3. HAZARDS IDENTIFICATION

R36/38 Irritating to eyes and skin

Can cause dermatitis.

Not oxidising or corrosive at this concentration

### 4. FIRST AID MEASURES

Skin contact – Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases, *obtain medical attention*.

Eye contact – Irrigate thoroughly with water for at least 10 minutes. *Obtain medical attention*.

Ingestion – If the chemical has been confined to the mouth, give large quantities of water as a mouthwash – ensure mouthwash is not swallowed. If the chemical has been swallowed, wash mouth out thoroughly with water and give about 250ml to dilute it in the stomach. Do not induce vomiting. *Obtain medical attention*.

Inhalation – Remove from exposure, rest and keep warm. In severe cases, *obtain medical attention*

### 5. FIRE FIGHTING MEASURES

General Information – Substance is non-combustible, but can increase the combustion of other substances.

Extinguishing Media – Use extinguishing media appropriate to the surrounding fire conditions and full protective clothing.

### 6. ACCIDENTAL RELEASE MEASURES

Personal protection – Wear appropriate protective clothing. See Section 8.

Spillages – For small spillages, if local rules permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise absorb with an inert non-combustible absorbent, e.g. sand or earth, place into a chemical waste container and arrange for disposal by a Specialist Disposal Company. Ventilate area.

### 7. HANDLING AND STORAGE

Handling precautions – Do not use metal equipment or containers. Wash hands after handling. Avoid contact with eyes, skin or clothing, ingestion or inhalation. Use only in a well-ventilated area.

Storage precautions – Keep containers closed. Store in a cool, dry, well ventilated area away from incompatible materials (see Section 10).

### 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Personal protection – Wear safety spectacles/goggles and appropriate protective gloves and clothing to prevent skin exposure.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Clear, colourless liquid, fully miscible with water.

Non-combustible.

pH ~2.5 to 3.5

Molecular formula H<sub>2</sub>O<sub>2</sub>

Molecular weight 34

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## 10. STABILITY AND REACTIVITY

Chemical stability – Limited shelf life.  
Decomposes slowly to release oxygen and hydrogen.

Chemical incompatibilities – metals, acids, acetone, ammonia, potassium permanganate.

Conditions to avoid – Incompatible materials.  
Keep away from direct sunlight, heat and flame

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## 11. TOXICOLOGICAL INFORMATION

Irritant and moderately toxic.

Contact with eyes and skin causes redness and irritation. May cause burns, although corneal burns may not appear until a week later.

Ingestion may cause throat soreness and vomiting with abdominal pain.  
Gastrointestinal tract perforations may occur.

Inhalation may cause irritation of respiratory tract with sore throat, coughing, shortness of breath.

Long term - Prolonged or repeated skin contact may cause dermatitis.

Further data – No evidence of carcinogenic properties. No evidence of mutagenic or teratogenic effects.

No toxic effects from skin exposure

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## 12. ECOLOGICAL INFORMATION

No environmental hazard is anticipated, provided that the material is handled and disposed of with due care and attention.

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## 13. DISPOSAL CONSIDERATIONS

Waste disposal – Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

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## 14. TRANSPORT INFORMATION

Non Regulated.

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## 15. REGULATORY INFORMATION

Classification and Symbol – IRRITANT (Xi)

Risk phrases –  
R36/38 – Irritating  
to eyes and skin.



Safety phrases –

S3 Keep in a cool place.

S28 After contact with skin, wash immediately with plenty of water.

S37/39 Wear suitable protective clothing and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

EEC No. 231-765-0

Workplace Exposure Limit:

Long term exposure limit (8 hour TWA reference period) 1.4mg/m<sup>3</sup>(1ppm)

Short term exposure limit 2.8mg/m<sup>3</sup>(2ppm)

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## 16. OTHER INFORMATION

Only to be used as intended by trained personnel.

This safety data sheet in no way constitutes the user's assessment of workplace risk as required by health and safety legislation.

**Date of last revision:**

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For enquiries and/or orders concerning Scenesafe® kits please contact the Scenesafe® Business Unit

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