

MATERIALS SAFETY DATA SHEET

1. Identification of substance/preparation, and of company/undertaking

Identification of the product

Product name: Hydrogen Peroxide 6% Solution 1ltr

Manufacturer/supplier name

Company: Kusuri Products Ltd, Unit 12, Wentworth Road, Daneheath Business Park, Heathfield Industrial Estate, Newton Abbot, Devon, TQ12 6TL, United Kingdom. Tel.: +44 (0) 1626 836600 Fax.: +44 (0) 1626 836700 Emergencies: +44 (0) 1626 836600

2. Composition/information on ingredients

Chemical characterisation

Chemical liquid

Product name: Hydrogen Peroxide (H₂O₂)

CAS number: 7722-84-1

EINECS: 231-765-0

3. Hazards identification

Not considered as hazardous, under normal conditions of handling and use.

4. First aid measures

Eye contact: avoid contact with eye - can cause serious injury, possible blindness. Rinse immediately with plenty of water, for at least 10 minutes. Seek medical advice immediately.

Inhalation: remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete, seek medical attention.

Skin contact: mild irritation. Drench the skin with plenty of water. Remove contaminated clothing, and wash before re-use. If large areas of the skin are damaged, or if irritation persists, seek medical attention.

Ingestion: mild stomach upset. Wash mouth out with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell, seek medical attention.

Immediate treatment/antidote: treat symptomatically.

5. Fire fighting measures

Special risks

None specific

Suitable extinguishing media

Use extinguisher suitable on cause of fire.

Special equipment for fire fighting

Self-contained breathing apparatus.

6. Accidental release measures

Wear appropriate protective clothing. Prevent entry of large volumes into drains and water courses. Vacuum, or sweep up, spillages and place into suitable labeled containers. Contact the local authority for disposal advice.. Wash spill site with plenty of water, after material has been taken up.

7. Handling and storage

Handling

Wash hands immediately after working with this substance. Keep out of reach of children. Always wear safety goggles, avoid any contact with eyes.

Storage

Store in polyethylene containers, in ambient temperatures. Keep tightly closed, when not in use.

8. Exposure controls and personal protection

UK exposure limits none assigned.

Personal protection equipment

Respiratory: respiratory not applicable

Ventilation: general ventilation.

Hands: acid-resistant gloves.

Eye protection: safety goggles or face mask.

Other: lightweight overalls.

Always wash hands thoroughly after handling chemicals.

9. Physical and chemical properties

General information

<u>Form</u>	liquid
<u>Colour</u>	colourless
<u>Odour</u> :	none

Health and safety information

<u>Melting point:</u>	-28°C
<u>Boiling temperature:</u>	114°C
<u>Density:</u>	unknown
<u>Solubility in water:</u>	unknown
<u>pH value:</u>	unknown
<u>Flash point:</u>	unknown
<u>Flammability:</u>	unknown
<u>Oxidisation:</u>	unknown
<u>Specific gravity:</u>	circa 1.19
<u>Vapour pressure:</u>	23.3 at 30°C

10. Stability and reactivity

Unstable – readily decomposes to water and Oxygen. Light sensitive. May develop pressure in a container – take care when opening. Forms potentially explosive compounds with ketones, ethers, alcohols, hydrazine, glycerine, aniline, Sodium borate, urea, Sodium carbonate, triethylamine, Sodium fluoride, Sodium pyrophosphate and Carboxylic acid anhydrides. Materials to avoid include combustibles, strong reducing agents, most common metals, organic materials, metallic salts, alkali, porous materials - especially wood, asbestos, soil, rust and strong oxidising agents.

11. Toxicological information

After inhalation: harmful.

After eye contact: can cause serious injury, possibly blindness.

After skin contact: harmful. Corrosive – can cause serious burns..

After ingestion: harmful.

This product should be handled with the usual care, as when dealing with all chemicals.

We have no evidence of carcinogenic effects.

We have no evidence of either mutagenic or teratogenic effects.

ORL-MAN LDLO 1429 mg/kg⁻¹

ORL-WMN LDLO 1429 mg/kg⁻¹

ORL-RBT LD50 820 mg/kg⁻¹

SKN-RAT LD50 3000 mg/kg⁻¹

IVN-MUS LD50 >50 g/kg⁻¹

12. Ecological information

No data is available with regards to aquatic toxicity and ecological impact.

13. Disposal considerations

Substance

For large quantities, dispose of via an authorised waste disposal contractor, to an approved waste disposal site, observing all local and national regulations.

Container

Rinse then dispose thoughtfully.

14. Transport information

Hazard class	5.1	Packing Group	II
UN No.	2014	EMS No.	5.1-02

15. Regulatory information

Labelling according to EC directives

Symbol: None assigned

R-phrases: 8-22-34-41

Contact with combustible material may cause fire. Harmful if swallowed. Causes burns. Risk of serious damage to the eyes.

S-phrases: 3-28-37-39-45

Keep in a cool place. After contact with skin, wash immediately with plenty of soap-suds. Wear suitable gloves. Wear eye/face protection. In case of accident, or if you feel unwell, seek medical advice immediately (show the label whenever possible).

EC number: None assigned

Local regulations

None stipulated.

Within the UK, the use of this material must be assessed under the Control of Substances Hazardous to Health Regulations (COSHH).

16. Other information

Other sources of information, and current legislation, can be found in: -

Health and Safety at Work Act 1974

Control of Substances Hazardous to Health (COSHH) Regulations 1998

H.S.E. Guidance Note EH40 (Occupational Exposure Limits)

Manual Handling Operations Regulations 1992

The information contained herein is based upon the present state of our knowledge, and does not therefore guarantee certain properties. This data sheet does not constitute the user own assessment of workplace risk, as required under other Health and Safety legislation. Recipients of our products must take responsibility for observing existing laws and regulations. This safety data sheet, and information contained herein, is offered in good faith as being correct. However, no warranty, express or implied, is made.

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22nd September 2009