

SAFETY DATA SHEET

HYDROGEN PEROXIDE >=20 - <35%

MYYY664

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

Product name

: HYDROGEN PEROXIDE >=20 - <35%

Supplier

: Brenntag UK and Ireland
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LS19 7XX

EMERGENCY ONLY
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2. Composition/information on ingredients

Substance/Preparation : Preparation					
Chemical name*	CAS No.	%	EC Number	Symbol	R-Phrases
1) HYDROGEN PEROXIDE ...%	7722-84-1	>=20 - <35	231-765-0	O, C	R5, R8, R20/22, R35

* Occupational Exposure Limit(s), if available, are listed in Section 8

CAS No. Mixture.

EINECS Number Mixture.

3. Hazards identification

Human health hazards

: Harmful if swallowed.
Risk of serious damage to eyes.

4. First-aid measures

First-Aid measures

Inhalation

: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

Ingestion

: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact

: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention.

Eye Contact

: In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention immediately.

Effects and symptoms

Inhalation

: Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking or shortness of breath. Overexposure by inhalation may cause respiratory irritation.

Ingestion

: May be fatal if swallowed. May cause burns to mouth, throat and stomach. Harmful if swallowed.

Eye Contact

: Very hazardous in case of eye contact (irritant). Corrosive to eyes. Inflammation of the eye is characterized by redness, watering and itching.

Aggravating conditions

: Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation, leading to frequent attacks of bronchial infection.

5. Fire-fighting measures

Extinguishing Media

Suitable

: Oxidizing Material
Do not use water jet. Use flooding quantities of water. Avoid contact with organic materials.

Special fire-fighting procedures

: Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

Protection of fire-fighters

: Be sure to use an approved/certified respirator or equivalent.

6. Accidental release measures

Personal Precautions	: Splash goggles. Protective overalls/suit. Boots. Gloves. Select appropriate protective clothing for the size of the spillage.
Environmental precautions and cleanup methods	: Corrosive liquid. Oxidizing Material Stop leak if without risk. Absorb with dry earth, sand or other noncombustible material. Do not get water inside container. Avoid contact with a combustible material (wood, paper, oil, clothing, etc.). Keep substance damp using water spray. Do not touch spilled material. Use water spray curtain to divert vapour drift. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Dispose of according to all federal, state and local applicable regulations.

7. Handling and storage

Handling	: Keep container dry. Keep away from heat. Keep away from sources of ignition. Keep away from combustible material. Empty containers may still contain significant residual amounts of the product. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapour/spray. Never add water to this product. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.
Storage	: Keep container tightly closed. Keep container in a cool, well-ventilated area. Separate from acids, alkalies, reducing agents and combustibles. Separate from acids, alkalis, reducing agents and combustibles. See NFPA 43A, Code for the Storage of liquid and Solid Oxidizers.
Packaging materials	
Recommended use	: Use original container.

8. Exposure controls/personal protection

Engineering measures	: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are close to the workstation location.
Hygiene measures	: Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

<u>Ingredient Name</u>	<u>Workplace Exposure Limits</u>
1) HYDROGEN PEROXIDE ...%	EH40 (United Kingdom (UK)). MEL: 1.4 mg/m ³ STEL: 2.8 mg/m ³

Personal protective equipment

Respiratory system	: Wear appropriate respirator when ventilation is inadequate.
Skin and body	: Protective overalls/suit.
Hands	: Impervious gloves.
Eyes	: Splash goggles.

9. Physical and chemical properties

Physical state	: Liquid.
Colour	: Colourless.
Odour	: Pungent.
Density	: Not available.
Solubility	: Not available.
pH	: Not available.
Flash point	: Not available.

10. Stability and reactivity

Stability	: The product is stable.
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11. Toxicological information

Local effects	
Eye irritation	: Very hazardous in case of eye contact (irritant).
Acute toxicity	: LD50: Not available. LC50: Not available.
Chronic toxicity	: Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation, leading to frequent attacks of bronchial infection.

12. Ecological information

Ecotoxicity : Not available.

13. Disposal considerations

Methods of disposal ; Waste of residues ; Contaminated packaging : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Classification : Not applicable.

14. Transport information

International transport regulations

UN : UN number 2014
 UN : Proper shipping name HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20%, but not more than 60% hydrogen peroxide (stabilised as necessary)
 UN : Class 5.1
 Sub-Class: 8
 UN : Packing group II
 UN : Label



ADR/RID : Class 5.1 Sub-Class: 8

ADR/RID : Hazard identification number 58

IMDG : Proper shipping name HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20%, but not more than 60% hydrogen peroxide (stabilised as necessary)

IMDG : Packing group II

IMDG : Class 5.1 Sub-Class: 8


IATA : Proper shipping name HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20%, but not more than 60% hydrogen peroxide (stabilised as necessary)

IATA : Packing group II

IATA : Additional Information - Sub-Class: 8

15. Regulatory information

EU Regulations

Hazard symbol(s) : 

Classification : Harmful

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

Safety Phrases : S1/2- Keep locked up and out of the reach of children.
 S17- Keep away from combustible material.
 S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S28- After contact with skin, wash immediately with plenty of water.
 S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.
 S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Contains : - HYDROGEN PEROXIDE ...%

Product Use : Classification and labelling have been performed according to EU directives 67/548/EEC, 88/379/EEC, including amendments and the intended use.
 - Consumer applications.

16. Other information

HISTORY

Date of printing : 19/02/2009.
 Date of issue : 19/02/2009.
 Date of previous issue : No Previous Validation.
 Version : 2.01
 Prepared by : Michael Hale / Alistair Hunter

Notice to Reader

HYDROGEN PEROXIDE >=20 - <35%

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

CHANGES SINCE PREVIOUS VERSIONS:

Version 2: Exposure limit added.

Version	2.01
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