

According to Regulation (EC) No. 1907/2006 art 31

Printing date: 09.09.2010

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

Product details :

1.1. Trade name

White is nice

1.2. Application of the substance / the preparation Filler/ Extender

Dental-bleaching based on hydrogen-peroxide

1.3. Manufacturer/Supplier

DEI Italia S.r.l.

Via Torino 765 – 21020 Mercurio (Varese)

Tel.+39 0331 969270 Fax +39 0331 969271

web: www.deiitalia.it E-mail : info@deiitalia.it

1.4. Information in case of emergency

Ospedale Niguarda di Milano-Centro antiveneni numero di emergenza +39 02 66101029

2. Hazards identification

2.1. Hazard description

Xn Harmful

2.2 Information concerning to particular hazards to man and environment

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 22 Harmful if swallowed.

R 37/38 Irritating to respiratory system and skin.

R 41 Risk of serious damage to eyes.

2.3 Classification system

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· GHS label elements

Danger

H272 -May intensify fire; oxidiser.

Danger

H318 - Causes serious eye damage.

Warning

H302 - Harmful if swallowed.

H335+H336 -May cause respiratory irritation. May cause drowsiness or dizziness.

Warning

H315 - Causes skin irritation.

· Prevention:

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P221 Take any precaution to avoid mixing with combustibles.

· Response:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P310 Immediately call a POISON CENTER or doctor/physician.

· Storage:

P405 Store locked up.

· Disposal:

P501 Dispose of contents/container in accordance with local/regional/national/international regulations

3. Composition/information on ingredients

3.1. Description/CAS No./Dangerous components

Dental-bleaching based on hydrogen-peroxide

Dangerous components:

CAS: 7722-84-1

EINECS: 231-765-0 hydrogen peroxide solution 25-50%

C, Xn, O; R 8-20/22-34

Danger: 2.13/1; 3.2/1A

Warning: 3.1.O/4, 3.1.I/4

CAS: 56-81-5

EINECS: 200-289-5 glycerol 2.5-10%

CAS: 7757-79-1

EINECS: 231-818-8 potassium nitrate < 2.5%

O; R 8

Danger: 2.14/2

· Additional information For the wording of the listed risk phrases refer to section 16.

4. First aid measures

General informations:

Immediately remove any clothing soiled by the product.

· After inhalation

Supply fresh air; consult doctor in case of complaints.

· After skin contact

Immediately rinse with water. If skin irritation continues, consult a doctor.

· After eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing

Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

5. Fire-fighting measures

5.1. Suitable extinguishing agents

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

5.2. For safety reasons unsuitable extinguishing agents

Water with full jet.

5.3. Special hazards caused by the substance, its products of combustion or resulting gases

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5.4. Protective equipment
No special measures required.

6. Accidental release measures

6.1. Person-related safety precautions
Wear protective equipment. Keep unprotected persons away.

6.2. Measures for environmental protection
Dilute with plenty of water.

6.3. Measures for cleaning/collecting
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13

7. Handling and storage

7.1. Information for safe handling
Ensure good ventilation/exhaustion at the workplace.

7.2. Information about fire - and explosion protection:
No special measures required.

7.3. Requirements to be met by storerooms and receptacles
Store in refrigerator. Store away from flammable substances. Store away from reducing agents.
Store away from metals.

7.4. Further information about storage conditions
Keep receptacle tightly sealed.
Protect from heat and direct sunlight.
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

8. Exposure controls and personal protection gear

8.1. Ingredients with limit values that require monitoring at the workplace

7722-84-1 hydrogen peroxide solution

OES Short-term value: 2.8 mg/m³, 2 ppm

Long-term value: 1.4 mg/m³, 1 ppm

56-81-5 glycerol

OES Long-term value: 10 mg/m³

· Additional information: The lists valid during the making were used as basis

8.2. Personal protective equipment/Respiratory protection/Protection of hands/Eye protection

· General protective and hygienic measures

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

· Respiratory protection: Not required.

· Protection of hands: Protective gloves.

· Material of gloves Natural rubber, NR

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and

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has to be observed.

- Eye protection: Tightly sealed goggles.
- Body protection: Protective work clothing.

9. Physical and chemical properties

9.1. General Information

Form: Pasty

Colour: Red

Odour: Weak, characteristic

- Change in condition

Melting point/Melting range: undetermined

Boiling point/Boiling range: 100°C

- Flash point: Not applicable

- Ignition temperature: 400°C

- Self-igniting: Product is not selfigniting.

- Danger of explosion: Product does not present an explosion hazard.

- Vapour pressure at 20°C: 23 hPa

- Density at 20°C: 1.2 g/cm³

- Solubility in / Miscibility with

Water: Fully miscible

- pH-value at 20°C: 7.3

- Viscosity:

dynamic at 20°C: 20000 mPas

9.2. Further informations

10. Thermal decomposition / conditions to be avoided

10.1. Thermal decomposition

No decomposition if used according to specifications.

10.2. Dangerous reactions

Reacts with various metals

Reacts with reducing agents

Reacts with catalysts

Acts as an oxidizing agent on organic materials such as wood, paper and fats

10.3. Dangerous decomposition products

No dangerous decomposition products known

10.4. Conditions to be avoided

10.5. Incompatible materials

11. Toxicological information

11.1. Acute toxicity

LD/LC50 values relevant for classification: LD-50/dermal > 2000 mg/kg rab

- Primary irritant effect:

- on the skin: Irritant to skin and mucous membranes.

- on the eye: Strong irritant with the danger of severe eye injury.

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· Sensitization: No sensitizing effects known.
 · Additional toxicological information:
 The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
 Harmful
 Corrosive
 Irritant
 Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12. Ecological information

12.1. General note

12.2. Water / environment hazard

13. Disposal considerations

13.1. Product

Recommendation:

Must be specially treated adhering to official regulations. Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

· European waste catalogue

06 13 99 wastes not otherwise specified

Recommended cleansing agents: Water, if necessary together with cleansing agents

13.2. Uncleaned packaging:

Recommendation

Disposal must be made according to official regulations.

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning

14. Transport information

Land transport ADR/RID (cross-border)

· ADR/RID class: 5.1 (OC1) Oxidising substances.

· Danger code (Kemler): -

· UN-Number: 2014

· Packaging group: II

· Hazard label 5.1+8

· Description of goods: 2014 HYDROGEN PEROXIDE, AQUEOUS SOLUTION

· Tunnel restriction code E

· Maritime transport IMDG:

· IMDG Class: 5.1

· UN Number: 2014

· Label 5.1+8

· Packaging group: II

· EMS Number: F-A,S-Q

· Marine pollutant: No

· Segregation groups Peroxides

· Proper shipping name: HYDROGEN PEROXIDE, AQUEOUS SOLUTION

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- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: 5.1
- UN/ID Number: 2014
- Label 5.1+8
- Packaging group: II
- Proper shipping name: HYDROGEN PEROXIDE, AQUEOUS SOLUTION
- UN "Model Regulation": UN2014, HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1 (8), II

15.Regulations

15.1.Labelling according to EU guidelines

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials

- Code letter and hazard designation of product:

Xn Harmful

- Hazard-determining components of labelling:

hydrogen peroxide solution

- Risk phrases:

22 Harmful if swallowed.

37/38 Irritating to respiratory system and skin.

41 Risk of serious damage to eyes.

- Safety phrases:

17 Keep away from combustible material.

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

60 This material and its container must be disposed of as hazardous waste.

- National regulations

- Technical instructions (air):

Class Share in %

NK 2,5-10

16.Other informations

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship