

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 10.05.2014

Version: 7

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** *JW Power Bleaching NEXT*
- **Article number:** 1022
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** see point 3)
- **Details of the supplier of the safety data sheet**
- **Supplier:**
Heydent GmbH, Viktor Frankl Str. 20, 86916 Kaufering (Germany)
Tel: +49 8191 9737804
www.heydent.com; e-mail: info@heydent.com

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS03 flame over circle

Ox. Liq. 2 H272 May intensify fire; oxidiser.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H335+H336 May cause respiratory irritation. May cause drowsiness or dizziness.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xn; Harmful

R22: Harmful if swallowed.



Xi; Irritant

R37/38-41: Irritating to respiratory system and skin. Risk of serious damage to eyes.

- **Information concerning particular hazards for human 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.

- **Classification system:**

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

- **Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms** GHS03, GHS05, GHS07

- **Signal word** Danger

- **Hazard-determining components of labelling:**

hydrogen peroxide solution

- **Hazard statements**

H272 May intensify fire; oxidiser.

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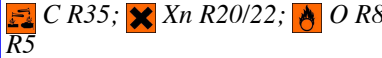
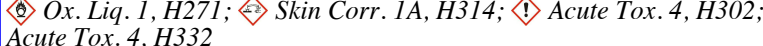
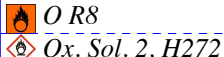
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- H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H335+H336 May cause respiratory irritation. May cause drowsiness or dizziness.
- **Precautionary statements**
- P221 Take any precaution to avoid mixing with combustibles.
 P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER or doctor/physician.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards**
 · **Results of PBT and vPvB assessment**
 · **PBT:** Not applicable.
 · **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Dental-bleaching based on hydrogen-peroxide

· **Dangerous components:**

CAS: 7722-84-1 EINECS: 231-765-0	hydrogen peroxide solution  	25-50%
CAS: 56-81-5 EINECS: 200-289-5	glycerol substance with a Community workplace exposure limit	2.5-10%
CAS: 7757-79-1 EINECS: 231-818-8	potassium nitrate 	< 2.5%

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

4 First aid measures

- **Description of first aid measures**
- **General information** 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.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
 No further relevant information available.

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5 Firefighting measures

- **Extinguishing media**
- **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.
- **For safety reasons unsuitable extinguishing agents** Water with full jet.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Dilute with plenty of water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
- **Reference to other sections**
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store in refrigerator.
- **Information about storage in one common storage facility:**
Store away from flammable substances.
Store away from reducing agents.
Store away from metals.
- **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.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

7722-84-1 hydrogen peroxide solution

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

Long-term value: 1.4 mg/m³, 1 ppm

56-81-5 glycerol

WEL Long-term value: 10 mg/m³

- **Additional information:** The lists valid during the making were used as basis.

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- **Exposure controls**
- **Personal protective equipment**
- **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 has to be observed.
- **Eye protection:** Tightly sealed goggles.
- **Body protection:** Protective work clothing.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Pasty
Colour:	Red
· Odour:	Weak, characteristic
· Odour threshold:	Not determined.

- **pH-value at 20°C:** 7.3

- **Change in condition**

Melting point/Melting range:	undetermined
Boiling point/Boiling range:	100°C

- **Flash point:** Not applicable

- **Flammability (solid, gaseous)** Not applicable.

- **Ignition temperature:** 400°C

- **Decomposition temperature:** Not determined.

- **Self-igniting:** Product is not selfigniting.

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

- **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

- **Vapour pressure at 20°C:** 23 hPa

· Density at 20°C:	1.2 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.

- **Solubility in / Miscibility with**

Water:	Fully miscible
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- **Segregation coefficient (n-octanol/water):** Not determined.

- **Viscosity:**

dynamic at 20°C:	20000 mPas
kinematic:	Not determined.

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· **Other information** *No further relevant information available.*

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Possibility of hazardous 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*
- **Conditions to avoid** *No further relevant information available.*
- **Incompatible materials:** *No further relevant information available.*
- **Hazardous decomposition products:** *No dangerous decomposition products known*

11 Toxicological information

- **Information on toxicological effects**
- **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.*
- **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*
 - Irritant*

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** *No further relevant information available.*
- **Persistence and degradability** *No further relevant information available.*
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** *No further relevant information available.*
- **Mobility in soil** *No further relevant information available.*
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*
- **Other adverse effects** *No further relevant information available.*

13 Disposal considerations

- **Waste treatment methods**
- **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

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- **Uncleaned packaging:**
- **Recommendation:**
Disposal must be made according to official regulations.
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

· UN-Number · ADR, IMDG, IATA	UN2014
· UN proper shipping name · ADR · IMDG, IATA	2014 HYDROGEN PEROXIDE, AQUEOUS SOLUTION HYDROGEN PEROXIDE, AQUEOUS SOLUTION
· Transport hazard class(es) · ADR	
· Class · Label	5.1 (OC1) Oxidising substances. 5.1+8
· IMDG, IATA	
· Class · Label	5.1 Oxidising substances. 5.1+8
· Packing group · ADR, IMDG, IATA	II
· Environmental hazards: · Marine pollutant:	No
· Special precautions for user · Danger code (Kemler): · EMS Number: · Segregation groups	Warning: Oxidising substances. - F-A,S-Q Peroxides
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR · Tunnel restriction code	E
· UN "Model Regulation":	UN2014, HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1 (8), II

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15 Regulatory information

- *Safety, health and environmental regulations/legislation specific for the substance or mixture*
- *National regulations*
- *Technical instructions (air):*

Class	Share in %
NK	2,5-10

- *Chemical safety assessment: A Chemical Safety Assessment has not been carried out.*

16 Other information

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.

- **Relevant phrases**

- H271 *May cause fire or explosion; strong oxidiser.*
- H272 *May intensify fire; oxidiser.*
- H302 *Harmful if swallowed.*
- H314 *Causes severe skin burns and eye damage.*
- H332 *Harmful if inhaled.*
- R20/22 *Harmful by inhalation and if swallowed.*
- R35 *Causes severe burns.*
- R5 *Heating may cause an explosion.*
- R8 *Contact with combustible material may cause fire.*

- **Department issuing MSDS: Heydent GmbH**

- **Abbreviations and acronyms:**

- ADR: *Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*
- RID: *Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*
- IMDG: *International Maritime Code for Dangerous Goods*
- IATA: *International Air Transport Association*
- ICAO: *International Civil Aviation Organization*
- GHS: *Globally Harmonized System of Classification and Labelling of Chemicals*
- LC50: *Lethal concentration, 50 percent*
- LD50: *Lethal dose, 50 percent*

- *** Data compared to the previous version altered.**