

Safety Data sheet

According to Directive 1907/2006

0824 HYDROGEN PEROXYDE 30%, St. dipicolinic acid w/w

Creation Date: 01/12/2010 Revision date: 31/05/2017

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

Identification of the product

Catalogue No: 0824 Product name: HYDROGEN PEROXYDE 30%, St. dipicolinic acid w/w Use of the substance: Analysis and chemical-pharmaceutical production.

Company/undertaking identification

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2. Hazards identification

Labelling in accordance with directive 1907/2006



R-phrases

22 Harmful if swallowed.

41 Risk of serious damage to eyes.

S-phrases

17 Keep away from combustible material.

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

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

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

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

Labelling in accordance with directive 1272/2008





H-phrases

302 Harmful if swallowed.
314 Causes severe skin burns and eye damage.
318 Causes serious eye damage.
332 Harmful if inhaled.
335 May cause respiratory irritation.
412 Harmful to aquatic life with long lasting effects.

P-phrases

309+311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
305+351 If in eyes: Rinse cautiously with water for several minutes.
338 Remove contact lenses, if present and easy to do. Continue rinsing.

Signal word : DANGER

HARMFUL

R-phrases:

Harmful if swallowed.
Risk of serious damage to eyes.

3. Composition/information on ingredients

For the full text of the R phrases mentioned in this section, see Section 16.

CAS-No.: 7722-84-1

Molecular Weight: 34,01

Chemical formula: H₂O₂

EC-Index-No.: 008-003-01-06

EC-No.: 231-765-0

R-phrases 22; 41

For more information about the R-Phrases text you can consult the paragraph 16

4. First aid measures

After inhalation:

Fresh air

After skin contact:

Rinse with abundant water (or have a shower)

Get rid of the contaminated clothes

After eye contact:

Rinse with abundant water, keeping eyelids open (at least 10 min)

After swallowing:

Drink lots of water

Call the doctor

5. Fire-fighting measures

Suitable extinguishing media:

Adapt the materials of the surroundings

Special risks:

Fireproof

Fire promoting

Special protective equipment for fire fighting:

Remain in the risk area only if provided with independent artificial respiratory systems.

In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

Other information:

Avoid the penetration of the extinction water in superficial or subterranean aquifers.

6. Accidental release measures

Person-related precautionary measures:

Not to inhale steam/aerosols

Avoid contact with the substance

Ventilation in closed spaces

Procedures for cleaning/absorption:

Take up with liquid-absorbent and neutralizing material

To come to the elimination of the remainders

Rinse.

Environmental protection measures:

Do not send it to the sewerage system

7. Handling and storage

Handling: Without other exigencies

Storage:

Well closed

Moved away of inflammable substances, sources of ignition and heat

Protected from light.

Close containers in such a way to enable internal pressure to escape

8. Exposure controls/personal protection

Exposure limit control

TLV-TWA: 1 ppm or 1,4 mg/m³

Personal protective equipment:

Respiratory protection:

Necessary when steam/aerosols are generated

Hand protection:

Needed

Protection gloves:

Natural latex

Eye protection:

Needed

Skin and body protection:

Suitable protective clothing

Other protective equipment:

Change immediately contaminated clothes

Recommendable preventive protection of the skin

Wash hands and face when the work is finished

Fulfill the commitments under local environmental protection legislation

9. Physical and chemical properties

Physical state: Liquid
Colour: Colourless
Odour: Characteristic
pH value: 2-4
Melting point: -26°C
Boiling point: 107
Vapour pressure: 18 hPa
Density (g/cm³): 1,120

10. Stability and reactivity

Substances to be avoided:

Alkaline hydroxides.
Anhydrides.
Alcohols.
Hydride.
Aldehydes.
Amines.
Ammonia.
Metal and metal alloys.
Metal oxides.
Non-metals.
Impurities/dust.
Organic solvents.
Combustible substances.
Organic substances.
Peroxides.
Hydrazine.
Metallic salts.
Acids.

Hazardous decomposition products:

Peroxides.

Further information:

Light-sensitive.
Heat-sensitive.
To avoid heating.
Danger of explosion.

11. Toxicological information

Acute toxicity:

LD50 (oral, rat): 1193-1270 mg/kg

After eye contact:

Burns
Conjunctivitis
Risk of serious damage to eyes

After skin contact:

Burns

After inhalation:

Irritation of: respiratory tract

After swallowing:

Irritations of mucous membranes in the mouth
Irritations of pharynx
Irritations of oesophagus
Irritations of gastrointestinal tract

Further toxicological information:

Other dangerous characteristics are not discarded
Take the usual precautions for handling chemical products

12. Ecological information

Fishes: P. promelas LC50: 16,4 mg/l /96 h
Daphnia: Daphnia magna EC50: 7,7 mg/l /24 h
Algae: Chlorella vulgaris IC50: 2,5 mg/l /72 h
Biodegradability: High

Other harmful effects:

Toxic effect on fish and plankton
When used properly, no impairments in the function of waste-water-treatment plants are to be expected
Do not allow to enter waters, waste water, or soil

13. Disposal considerations**Product:**

Dispose as regulated in the community countries by local regulations.
Please contact with the suitable authority in each case (Public Administration or company specialized in

Packaging:

Product packaging disposal must be disposed of in compliance with the respective local regulations.
For contaminated packaging the same measures must be adopted as for the contaminated product.
Not contaminated packaging must be disposed of as domestic residues or recycled material.
European Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

14. Transport information**Overland transport ADR/RID**

UN: 2014
Class: 5.1 (8)
Packaging group: II
Correct technical name: HYDROGEN PEROXIDE, AQUEOUS SOLUTION

Sea transport IMDG

UN: 2014
Class: 5.1/II (8)
Packaging group: II
Correct technical name: HYDROGEN PEROXIDE, AQUEOUS SOLUTION

Air transport ICAO-IATA-DGR

UN: 2014
Class: 5.1 (8)
Packaging group: II
Correct technical name: HYDROGEN PEROXIDE, AQUEOUS SOLUTION
CAO: 554
PAX: 550

15. Regulatory information

16. Other information

Full text of R phrases mentioned in sections 2 and 3

22 Harmful if swallowed.

41 Risk of serious damage to eyes.

The information contained herein is based on the present state of our knowledge.

It characterizes the product with regard to appropriate safety precautions. It does not represent a guaranty of the properties of the product.