

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Identification of the substance or preparation:

Product name: P3-oxonia active
Product use: Biocide
Product is for professional use only

Company name: Nexchem Ltd
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Leycroft Road
Leicester
LE4 1ET
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2. HAZARDS IDENTIFICATION

Substance/preparation: Preparation

| Ingredient name | EINECS | CAS | % | Classification |
|----------------------------|-----------|-----------|----------|--|
| Hydrogen peroxide solution | 231-765-0 | 7722-84-1 | 25 - 30 | O;R8 R5 Xn; R20/22 C; R35 |
| Acetic acid | 200-580-7 | 64-19-7 | 5 - 10 | R10 C; R35 |
| Peracetic acid | 201-186-8 | 79-21-0 | 2 - 5 O; | R7 R10 Xn; R20/21/22 C; R35 N; R50 |

See section 16 for the full text of the R-phrases declared above.

Occupational exposure limits, if available, are listed in section 8.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Physical/chemical hazards: May cause fire.

Classification: O; R7
Xn; R22
C; R34
Xi; R37

Human health hazards: Harmful if swallowed.
Causes burns.
Irritating to respiratory system.

See section 11 for more detailed information on health effects and symptoms.

4. FIRST AID MEASURES (SYMPTOMS)

First-aid measures:

Inhalation: If inhaled, remove to fresh air. In all cases of doubt, or when symptoms persist, seek medical attention.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water. Get medical attention immediately. In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.

Specific treatments: Not available.

See section 11 for more detailed information on health effects and symptoms.

5. FIRE-FIGHTING MEASURES

Extinguishing media: In case of fire, use water spray (fog), foam, dry chemical, or CO₂.

Special protective equipment for fire-fighters: Fire-fighters should wear proper protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Large spill and leak Immediately contact safety personnel.

Environmental precautions and clean-up methods: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SMALL SPILL Rinse with plenty of running water. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

[cont...]

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7. HANDLING AND STORAGE

- Handling:** Do not get in eyes, on skin or on clothing. Do not breathe vapour or mist.
Avoid contact with combustible materials. After handling, always wash hands thoroughly with soap and water. Handle and open container with care.
- Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area.
Separate from acids, alkalis, reducing agents and combustibles.
Store between -20 and 30°C
- Packaging materials:**
- Recommended:** Use original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Ingredient name | Workplace exposure limits |
|-----------------------------------|---|
| Hydrogen peroxide solution | EH40-WEL (United Kingdom (UK), 1/2005). |
| | WEL: 2.8 mg/m ³ 15 minute/minutes. Form: All forms |
| | WEL: 2 ppm 15 minute/minutes. Form: All forms |
| | WEL: 1.4 mg/m ³ 8 hour(s). Form: All forms |
| | WEL: 1 ppm 8 hour(s). Form: All forms |

| Acetic acid | EU OEL (Europe, 4/2004). |
|-------------|--|
| | TWA: 25 mg/m ³ 8 hour(s). Form: All forms |
| | TWA: 10 ppm 8 hour(s). Form: All forms |

Exposure controls:

Occupational exposure controls: If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.

Respiratory protection (EN 143, 141): A respirator is not needed under normal and intended conditions of product use.

Hand protection (EN 374): 1 - 4 hours: butyl rubber, nitrile rubber

Eye protection (EN 166) Safety glasses. Goggles, face shield, or other full-face protection.

Skin protection (EN 467): Safety apron Suitable protective footwear.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information:

Appearance:

Physical state: Liquid. (Liquid.)

Odour: Disinfectant

Colour: Colourless.

[cont...]

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Important health, safety and environmental information:

| | |
|--|--|
| pH: | 1 (100%) |
| Boiling point: | Not available. |
| Melting point: | Not available. |
| Flash point: | 100 °C (Closed cup) Product does not support combustion. |
| Flammability (solid, gas): | Not applicable. |
| Explosive properties: | Not applicable. |
| Explosion Limits: | Not applicable. |
| Oxidising properties: | Not available. |
| Vapour pressure: | Not applicable. |
| Relative density: | 1.12 g/cm ³ (20 °C) |
| Solubility: | Easily soluble in cold water, hot water. |
| Octanol/water partition coefficient: | Not applicable. |
| Viscosity: | Not available. |
| Vapour density: | Not available. |
| Evaporation rate (butyl acetate = 1): | Not applicable. |

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Materials to avoid: Extremely reactive or incompatible with the following materials: organic materials, metals and alkalis. Non-reactive or compatible with the following materials: acids and moisture. Do not mix with other products.

11. TOXICOLOGICAL INFORMATION

Potential acute health effects:

| | |
|-------------------------------|---|
| Inhalation: | Irritating to respiratory system. |
| Ingestion: | Harmful if swallowed. |
| Skin contact: | Corrosive to the skin. |
| Eye contact : | Corrosive to eyes. |
| Reproductive toxicity: | No known significant effects or critical hazards. |

12. ECOLOGICAL INFORMATION

Ecotoxicity: The product is not subject to ecological classification according to directive 1999/45/EC.

Persistence and degradability: The total of the organic components contained in the product achieve > 60% BOD/COD or CO₂ liberation, or > 70% DOC reduction in tests for ease of degradability - threshold values for 'readily degradable' (e.g. to OECD method 301).

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13. DISPOSAL CONSIDERATIONS

Methods of disposal: Waste must be disposed of according to applicable regulations. Use as much of the contents as possible, according to instructions. Can be added to general waste collection after completely emptying. Use packages for recycling only when totally empty.

Waste classification: A4120

European waste catalogue (EWC): 16 09 03*

14. TRANSPORT INFORMATION

International transport regulations

| Regulatory information | UN number | Proper shipping name | Class | Packing group | Label |
|------------------------|-----------|---|-------|---------------|--------|
| ADR/RID Class | UN3149 | HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED | 5.1 | II | 5.1, 8 |
| ADN Class | UN3149 | HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED | 5.1 | II | 5.1, 8 |
| IMDG Class | UN3149 | HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED | 5.1 | II | 5.1, 8 |

Follow special pack instructions for air transport.

15. REGULATORY INFORMATION

EU regulations:

Hazard symbol/symbols:



Oxidising, Corrosive

Contains:

Hydrogen peroxide solution
Peracetic acid

Risk Phrases:

R7- May cause fire.
R22- Harmful if swallowed.
R34- Causes burns.
R37- Irritating to respiratory system.

Safety phrases:

S2- Keep out of the reach of children.
S7- Keep container tightly closed.
S17- Keep away from combustible material.

[cont...]

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S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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).

S50- Do not mix with Alkalies.

National regulations:

The Chemicals (Hazard Information and Packaging for Supply) Regulations. The Control of Substances Hazardous to Health Regulations. Health and Safety at Work Act.

Note:

The regulatory information given above only indicates the principal regulations specifically Applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Full text of R-phrases referred to in sections 2 and 3 – United Kingdom (UK): R7- May cause fire.

R8- Contact with combustible material may cause fire.

R5- Heating may cause an explosion.

R10- Flammable.

R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.

R20/22- Harmful by inhalation and if swallowed.

R22- Harmful if swallowed.

R34- Causes burns.

R35- Causes severe burns.

R37- Irritating to respiratory system.

R50- Very toxic to aquatic organisms.

Legal disclaimer:

The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.