

GEMEXOL

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

Product Name: GEMEXOL	Supplier: Gems Hygiene Supplies The Business Centre 79 Leigh Street Sheffield S9 2PR	Tel: 0114 261 8187 Fax: 0114 261 1489 E: info@ghdirect.co.uk
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2. HAZARDS IDENTIFICATION

Classification:	Corrosive
Health Risks	Causes Burns Harmful if swallowed Contact with combustible material may cause fire Danger of decomposition when exposed to heat. Formation of Sulphur Dioxide (Low) in case of thermal decomposition

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description	CAS Number	Hazard	Risk phrases
Potassium Peroxymonosulphate	70693 - 62 -8	O,C	R8-22-34

4. FIRST AID MEASURES

General Information	Bring affected persons out of danger. Ensure own safety (body protection, eye protection)
Inhalation:	In case product dust is released: possible discomfort: Irritation of mucous lining (nose, throat, eyes), cough.
Skin Contact:	When in contact with the skin, rinse immediately with soap and plenty of water. Remove contaminated or saturated clothing immediately. With continuous skin irritation, consult doctor.
Eye Contact	With eye held open, thoroughly rinse immediately with plenty of water for a least 15 minutes. Further treatment by eye doctor
Ingestion	Only when patient is fully conscious: Have patient rinse out mouth with water. Have patient drink plenty of water in small sips (for dilution) Do not force patient to vomit. Consult doctor immediately.
Instructions for Doctor	Specific recommendations: Not known Therapy as for chemical burn. If substance has been swallowed: Stomach pump under gastroscopic view.

5. FIRE-FIGHTING MEASURES

Extinguishing media:	Water, Quenching Foam, Quenching Powder
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Not Recommended:

Organic Compounds

Particular danger caused
combustion
products or gases produced

Product is oxidising. Contact with combustible material substances can lead by material its
to inflammation

Danger of decomposition when exposed to heat.
Release of Oxygen may support combustion.

In case of fire, the following hazardous smoke fumes may be produced: Sulphur Dioxide
(Low).Keep persons at a distance and keep on the weather side.
In case of fire, remove endangered containers and bring to a safe place if this can be done
safely.Keep away from heat. Protect from moisture.

Firefighters protective equipment

Fire residues should be disposed of in accordance with the regulations.
In case of fire, wear respirator independent of
surrounding air and chemical protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Wear personal protective equipment.
See section 8

Environmental Precautions:

Prevent from entering drains, surface and ground water

Cleaning up methods:

Absorb mechanically. Avoid production of dust .
Pour into clean dry plastic containers. Keep containers open, do not seal hermetically.

Dispose of absorbed material in accordance with the regulations. Rinse away any residue
with plenty of water. See also section 13.

7. HANDLING AND STORAGE

Handling:

Store in a cool and dry place. Keep away from
incompatible substances. See section 10

Wear personal protective equipment. See section 8.
Avoid contact with the skin, eyes and clothing

Avoid production of dust. If dust occurs: Respiratory protective equipment and eye
protection. See section 8

Do not re use spilled or soiled product, and never return spilt product to original container for
recycling material
(Risk of Decomposition)

Directions on fire and explosion
Safety.

Protect from sun rays, heat, heat effect. Keep
Away from metallic salts, alkali's, reducing
Agents (risk of decomposition)

Keep away from combustible material (Danger of Fire)

Storage

Store in closed containers in cool, dry well ventilated area. Protect from humidity and heat.

Do not store together with: metallic salts, alkalis, reducing agents, combustible substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional directions on design
Of technical equipment

Ensure suitable suction / aeration at the work
place and with operational machinery. Avoid
Formation of dust. See also section 7 handling
Components with work place related limits to be monitored

Name of Substance: Pentapotassium bis (peroxymonosulphate bis (sulfate))
 Cas No: 70693 - 62 - 8
 Limit Values No substance - specific occupational exposure limit has been assigned

General Dust Limiting Value (s);
 Dust
 OES (GB) 5mg/m³ (1993) (respirable dust)
 OES (GB) 10mg/m³ (1993) (Total inhalable dust)
 TLV/TWA (USA) 10mg/m³ (1993)

Personal protective equipment
 Measures for general protection
 And hygiene

The usual precautionary measures for dealing with chemicals should be observed. Avoid contact with skin and eyes. If there is the Possibility of skin/eye contact the indicated Hand/eye/body protection should be used Ensure the work place related airborne Concentrations are below the indicated exposure Limits. If the limits at the work place are Exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used. No eating, drinking, smoking or snuffing Tobacco at work. Wash face and/or hands before Break and end of work. Preventive skin Protection recommended

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Chrystalline, free flowing
 Colour: Pink free flowing powder
 Odour: Odourless
 Alteration in conditions melting: not applicable
 point/range: (>70C Decomposition)
 Boiling Point / range not applicable
 Flashpoint: not applicable
 Inflammability not applicable
 Ignition temperature: not applicable
 Spontaneous ignition: not applicable
 Explosion limits, dust explosion not applicable
 Vapour pressure: not applicable

Apparent bulk density: 950 - 1250 kg/m

Solubility: Approx 250 g/l (20 c)
 Approx 330 g/l (70 c)
 medium water water
 pH value Approx 2 (30 gl)
 medium water (25c)

Distribution Coefficient not applicable

Additional information Oxidising (acc. to directive 67/548/EEC) see also section 15

10. STABILITY AND REACTIVITY

Product is stable. Risk of decomposition when exposed heat / heat effect. Exothermic decomposition at > 70C

Product is oxidising. contact with combustible substances can lead to inflammation

Product is an oxidising agent. Release of oxygen may support combustion

Conditions to avoid: Sun Rays, heat, heat effect, humidity.

Substances to avoid Impurities, metal ions, metallic salts, alkalis, reducing agents (risk of decomposition)
 combustible substances (Danger of fire)

Dangerous products:
of decomposition Sulphur Dioxide (Low) in case of thermal
decomposition.

11. TOXOLOGICAL INFORMATION

Acute Toxicity LD/LC 50 values relevant for classification
Acute oral toxicity: LD 50 = 1 204 mg/kg, rat
no OECD method

Primary Irritative effect: Primary irritative effect to skin: caustic, rabbit, OECD 404

Primary irritative effect to eyes. Irritative or corrosive effect is assumed based upon the
results of skin irritation tests.

Sensitization Maximisation test. guinea pig, not sensitising
OECD 406

Experience with Human Beings Corrosive effect on the moistened (sweaty) skin;
solutions of the product may have irritative effect on skin

12. ECOLOGICAL INFORMATION

Eco - toxic effects: Aquatic Toxicity
Fish Toxicity: Acute fish toxicity; NOEC
96h = 32mg / l Brachydanio rerio OECD 203
behaviour in water treatment plants, rapid hydrolysis and reduction in oxygen, potassium
ions and sulphate ions.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all local and national legislation

14. TRANSPORT INFORMATION

Class: 8
UN NO: 1759
Packing Group: II

15. REGULATORY INFORMATION

Labelling of substance in line with EC directive 67/548/EWG and amendments.

Classification: O Oxidising
C Corrosive

Risk Phrases R 8 - 22 - 34
- Contact with combustible material may cause fire
- Harmful if Swallowed
- Causes Burns

Safety Phrases S 26 - 36/37/39 - 45
- In case of contact with eyes, rinse immediately with plenty of water and seek medical
advice
- wear suitable protective clothing, gloves and eye face protection
- In case of accident or if you feel unwell seek medical advice immediately (Show label where
possible)

If substance is freely available (Public product) the following additional safety advice is required
S1/2 - Keep locked up and out of the reach of Children.

National Legislation Health and Safety at Work Act 1974
Factories Act 1961
Chemicals (Hazard information and packaging)
regulations 1994
Control of Substances Hazardous to Health

Regulations 1988
Carriage of Dangerous Goods by Road and Rail
(Classification, Packaging and Labelling)
Regulations 1994
Road Traffic (Carriage of Dangerous Substances in Tankers and Tank Containers)
Regulations 1992

16. OTHER INFORMATION

Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customers responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before it is used. 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 health and safety. If this product is redistributed or reformulated or resale, details of the hazards and recommendations for its safe use must be passed to the customer. The information in this data sheet shall be revised as and when new information is available or required.