

GEMEXOL

HEALTH AND SAFETY DATA SHEET



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

PRODUCT NAME: GEMEXOL

2. HAZARDS IDENTIFICATION

MAIN HAZARDS: 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. TOXICOLOGICAL 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

4. FIRST AID MEASURES (ACTION)

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

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Water, Quenching Foam, Quenching Powder

6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS:

Prevent from entering drains, surface and ground water

CLEAN UP PROCEDURES:

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

7. HANDLING AND STORAGE

HANDLING REQUIREMENTS:

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)

STORAGE CONDITIONS:

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. PHYSICAL AND CHEMICAL PROPERTIES

STATE: Crystalline

COLOUR: Pink free flowing powder

ODOUR: Odourless

SOLUBILITY IN WATER: Soluble

RELATIVE DENSITY: 1.250

9. STABILITY AND REACTIVITY

MATERIALS TO AVOID: Impurities, metal ions, metallic salts, alkalis, reducing agents (risk of decomposition) combustible substances (Danger of fire)

10. ECOLOGICAL INFORMATION

ECO TOXIC EFFECTS: Aquatic Toxicity
Fish Toxicity: Acute fish toxicity; NOEC
96h = 32mg / l Brachydanio rerio OECD 203

behavior in water treatment plants, rapid hydrolysis and reduction in oxygen, potassium ions and sulphate ions.

11. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all local and national legislation

12. TRANSPORT INFORMATION – ADR / RID

CLASS: 8

13. REGULATORY INFORMATION

SAFETY PHRASE:
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.

FURTHER INFORMATION

14. COMPOSITION/INFORMATION ON INGREDIENTS

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

15. EXPOSURE CONTROLS AND 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 The usual precautionary measures for dealing with chemicals should be observed.

Measures for general protection & hygiene.

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 ie (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.

16. OTHER INFORMATION

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