# SAFETY DATA SHEET
## KEMPHOS 2001

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

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>KEMPHOS 2001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical name:</td>
<td>Chlorinated Trisodium Phosphate</td>
</tr>
<tr>
<td>Chemical formula:</td>
<td>[\text{Na}_3\text{PO}_4\cdot1\text{H}_2\text{O}] \cdot \frac{1}{4} \text{NaOCl}</td>
</tr>
<tr>
<td>Company:</td>
<td>STEROKEM LTD</td>
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<td></td>
<td>P.O. Box 1428</td>
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<td></td>
<td>Deshanim Industrial</td>
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<td>Haifa 31013 Israel</td>
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<td>Telephone:</td>
<td>972-4-8468477/8</td>
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<td>Fax:</td>
<td>972-4-8468479</td>
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<td>E-mail:</td>
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<td>Website:</td>
<td><a href="http://www.sterokem.com">www.sterokem.com</a></td>
</tr>
<tr>
<td>EMERGENCY TELEPHONE</td>
<td>972-4-8468477/8</td>
</tr>
</tbody>
</table>

### 2 HAZARDS IDENTIFICATION

<table>
<thead>
<tr>
<th>CLASSIFICATION (67/548)</th>
<th>XI;R36/37/38.</th>
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</thead>
<tbody>
<tr>
<td>CLASSIFICATION (EC 1272/2008)</td>
<td></td>
</tr>
<tr>
<td>Physical</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Health</td>
<td>Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; STOT SE 3 - H335</td>
</tr>
<tr>
<td>Environmental</td>
<td>Not classified.</td>
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</tbody>
</table>

### LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008

![Warning Symbol]

### SIGNAL WORD

**Warning**

### HAZARD STATEMENTS

- **H315**
  - Causes skin irritation.
- **H319**
  - Causes serious eye irritation.
- **H335**
  - May cause respiratory irritation.

### PRECAUTIONARY STATEMENTS

- **P305/351/338**
  - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **P313**
  - Get medical advice/attention.

### SUPPLEMENTARY PRECAUTIONARY STATEMENTS

- **P261**
  - Avoid breathing dust
- **P271**
  - Use only outdoors or in a well-ventilated area.
- **P280**
  - Wear protective gloves/protective clothing/eye protection/face protection.
- **P302/352**
  - IF ON SKIN: Wash with plenty of soap and water.
- **P304/340**
  - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
3 COMPOSITION/INFORMATION ON INGREDIENTS

Main Ingredient: Trisodium Phosphate Chlorinated hydrated
CAS-No. 56802-99-4

4 FIRST-AID MEASURES

INHALATION
Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. Get medical attention.

INGESTION
Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

SKIN CONTACT
Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT
Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA
This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS
Wear protective clothing as described in Section 8 of this safety data sheet.

SPILL CLEAN UP METHODS
Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS
Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS
Store in tightly closed original container in a dry and cool place. Keep in original container.

STORAGE CLASS
Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS
WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT

ENGINEERING MEASURES
Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

RESPIRATORY EQUIPMENT
No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m3.

HAND PROTECTION
OTHER PROTECTION
Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES
DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE
Two versions: white or pink powder with faint chlorine odor

COLOUR
White / Pink

Solubility:
20g per 100g water at 20°C

BULK DENSITY
0.650 - 0.750 g/ml

pH VALUE, 1% SOLUTION:
11.5 - 12.5 at 20°C

10 STABILITY AND REACTIVITY

REACTIVITY: Generates toxic gas in contact with acid.

STABILITY: Stable under normal temperature conditions.

CONDITIONS TO AVOID: Avoid excessive heat for prolonged periods of time.

HAZARDOUS DECOMPOSITION PRODUCTS
Fire creates: Carbon monoxide (CO), Carbon dioxide (CO2).

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50
>2000 mg/kg (oral rat)

INHALATION
Irritating to respiratory system.

INGESTION
May cause discomfort if swallowed.

SKIN CONTACT
Irritating to skin.

EYE CONTACT
Irritating to eyes.

12 ECOLOGICAL INFORMATION

Ecological effects: High concentrations in receiving waters will injure aquatic life by raising pH and by chlorination effect. The orthophosphate can act as a plant nutrient and precipitate heavy metals.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS
Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15 REGULATORY INFORMATION

STATUTORY INSTRUMENTS
Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE
Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES
Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

16 OTHER INFORMATION