
Material Safety Data Sheet

Page 1 of 4

ECOSEAL

1. Identification of the substance and of the company

Trade name:	ECOSEAL
Chemical name:	Chlorinated Trisodium Phosphate
CAS number:	56802-99-4
Company identification:	STEROKEM Ltd.
Address and telephone :	P.O.Box 1428 Deshanim Industrial Park, Haifa 31013 Israel Tel: 972-4-8468477/8
Date of version:	01.01.2021

2. Composition/information on ingredients

Chlorinated Trisodium Phosphate 95%-100%
Symbols: C, Xi
Phrases: R 36, 37, 38

3. Hazards identification

Main hazards: Principal effect due to irritant properties.

4. First - Aid Measures

Skin contact: Immediately flush with large amounts of water.

Eye contact: Immediately flood with plenty of water holding the eye open.
If necessary, obtain medical attention.

Ingestion: Consult with a physician in all cases.
Rinse mouth and administer fresh water.
If necessary, obtain medical attention.

Material Safety Data Sheet

Page 2 of 4

5. Fire - fighting measures

Suitable: Not flammable
Protection against fire: Keep containers cool with water spray.

6. Accidentals release measures

Personal precautions: Avoid contact with liquid. Wear full protective clothing. Wash away spillage with plenty of water.

7. Handling and storage

Technical protective measures: Store in a cool dry area away from direct heat. Store away from moisture and water as this causes lumping of the product. Keep containers tightly closed when not in use, otherwise water from the crystallization process may be released on exposure to the atmosphere or heat and available chlorine may be released. Should be stored in covered containers in a cool place.

8. Exposure Controls/Personal Protection

Engineering controls: Premises ventilation
Provide local ventilation suitable for the emission risk.

Respiratory protection: Not normally needed.
If significant dust occurs, wear a NIOSH/MSMA approved dust respirator.

Skin protection: Wear gloves, boots, chemical goggles, aprons or an impermeable suit to avoid skin and eye contact.

Material Safety Data Sheet

Page 3 of 4

9. Physical and Chemical Properties

Physical State at 20°C:	Crystalline powder
Color:	White / Pink
Odor:	Faint odor of chlorine
Bulk density:	650 – 750 g/liter
Evaporation rate:	NA
Solubility in water:	18 part in 100 parts water at 25°C.
Percent volatilize:	NA
PH (1% solution at 25°C):	11.5 – 12.5
Melting point:	60°C
Flash point:	NA
Flammability:	Non flammable

10. Stability and Reactivity

Shelf life limitations:	6 months. (after 6 month analytical test is required for additional shelf life).
-------------------------	--

11. Toxicological Information

Niosh registry number:	TC 9550000
Acute toxicity:	
Dermal LD50	>2 g/kg (rabbit)
Oral LD50	4.8 g/kg (rat)
Stability:	The product is unstable at temperatures above 60°C
Conditions to avoid:	Heat/Sources of heat ,moisture
Materials to avoid:	Acids; Aluminum
Product of hazardous decomposition:	Chlorine

Material Safety Data Sheet

Page 4 of 4

12. Ecological Information

Information on ecological effects: None
Biodegradation (%): None

13. Disposal Considerations

Disposal: Contact waste exchanges for recycling.
Dissolve in water.
Dilute with large quantities of water.

14. Transportation Information

This material is regulated as a non hazardous material.

15. Regulatory Information

EC Labeling and classification

Symbol (s): Corrosive C, Irritant XI

R Phrase (s): R36/38/37 Causes severe eye irritation
irritates nose and throat as well

EC safety phrases: S14-Keep away from acids and aluminum
S26-In case of contact with eyes, rinse
immediately with plenty of water and seek medical
advice.

16. Other Information

Further information: None