
MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Details

Product name: **STEROLAB**

Company: STEROKEM LTD
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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Main Ingredient: Trisodium Phosphate Chlorinated hydrated
CAS Number: 56802-99-4

SECTION 3: HAZARDS IDENTIFICATION

Hazard designation: **Irritant Xi**

Information pertaining to particular dangers for man and environment

R 36/38 irritating to eyes and skin

SECTION 4: FIRST AID MEASURES

Eye Contact: wash with plenty of water for at least 15 minutes and seek medical advice.
Skin contact: wash with plenty of water and seek medical advice if irritation persists.
Inhalation: remove to a well-ventilated area and seek medical attention if required.
Ingestion: if significant quantities are ingested, drink plenty of water and obtain medical advice.

SECTION 5: FIRE-FIGHTING MEASURES

Governed by other materials present. In the event of a fire, self-contained breathing apparatus is advised.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Goggles or face shield, dust, mask (3M H8500 or equivalent) and PVC gloves should be used.
Spillages should be swept up and placed in polylined fiberboard kegs or plastic drums. Avoid contact with acids (see 3.0 above). Recover/recycle if possible, otherwise retain on site for temporary storage and consult your local Waste Authority for disposal instructions (see 13.0 below)

SECTION 7: HANDLING & STORAGE

Handling: Wear gloves, dust mask and goggles when handling this powder. Attempt to avoid wet conditions where prolonged contact can cause eye and skin inflammation.
Storage: Store containers in a cool dry area to avoid loss of available chlorine.

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SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

There is no published air contamination limit but due to the irritant effect on mucous membranes the EH40 general dust requirement should be enforced.

Total inhalable dust: 10 mg/m³ 8 hr TWA

Personal protective equipment:

Respiratory protection: dust mask when handling powders

Hand protection: PVC or leather gloves.

Eye protection: safety goggles or face shield

Skin (body) protection: industrial coverall

Foot protection: safety boots

Head protection: safety helmet

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: two versions: white or pink powder with faint chlorine odor

Bulk Density: 0.65 – 0.75 g/ml

Vapor pressure: not applicable

Viscosity: not applicable

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

pH Value: 11.5 – 12.5 at 20°C (1% Soln)

Flash point: not applicable

Ignition temperature: does not burn or help other materials to burn

SECTION 10: STABILITY AND REACTIVITY

Thermal decomposition: decomposes above 60°C first losing water then chlorine to yield a sodium phosphate residue which melts at temperature greater than 1000°C.

Hazardous reactions: May react with acids to liberate a toxic gas (chlorine). Avoid contact also with, peroxy – salts (perborate and percarbonate), reducing agents.

SECTION 11: TOXICOLOGICAL INFORMATION

LD50 oral rats = 5000 - 10,000 mg/kg. Due to its hypochlorite content and high pH value this material can irritate skin, eyes and mucous membranes particularly under wet or damp conditions when inflammation may result.

SECTION 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.

SECTION 13: DISPOSAL CONSIDERATIONS

Spillages should be swept up and placed in polylined fiberboard kegs or plastic drums. Avoid contact with acids (see 3.0 above). Recover/recycle if possible otherwise retain on site for temporary storage and consult your local Waste Authority for disposal instructions. Treat empty packages as contaminated waste.

SECTION 14: TRANSPORT INFORMATION

Not classified as a substance hazardous for transport.

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SECTION 15: REGULATORY INFORMATION

Code letter and hazard designation of product:

Xi irritant

Risk phrases:

R36/38 irritating to eyes and skin

Safety phrases:

S2 keep out of the reach of children.

S22 do not breathe dust.

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

S28 after contact with skin, wash immediately with plenty of water.

SECTION 16: OTHER INFORMATION

These data are based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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