

MATERIAL SAFETY DATA SHEET

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I. IDENTIFICATION

PRODUCT NAME: CSP Dry
CHEMICAL NAME: Sodium hexametaphosphate/Trisodium phosphate solution.
Chelating agent.
PREPARATION DATE: 1/09/17

DOT TRANSPORTATION INFORMATION

Shipping Name: Not regulated

DEGREE OF HAZARD: 1. slight; 2. moderate; 3. extreme; 4. potential
carcinogen, teratogen, mutagen

HEALTH (1) FLAMMABILITY (0) REACTIVITY (1)

II. INGREDIENTS AND HAZARDS

Material or Component	%	CAS No.	TLV (Units)	HAZARD DATA
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THIS PRODUCT NON-HAZARDOUS WITHIN OSHA HAZARD COMMUNICATION STANDARD
29CFR 1910.1200

THIS PRODUCT CONTAINS NO INGREDIENTS SUBJECT TO THE REPORTING
REQUIREMENTS OF SARA 313, TITLE III, SARA 312.

PEL= OSHA Permissible Exposure Limit TLV= ACGIH Threshold Limit
STEL= Short-term Exposure Limit TWA= Time-weighted Average
ALL MATERIALS USED IN THIS MANUFACTURE ARE TSCA REPORTED, CANADIAN
D.S.L. REGISTERED, AND INCLUDED ON THE EUROPEAN INVENTORY OF EXISTING
CHEMICALS (EINECS) IN COMPLIANCE WITH COUNCIL DIRECTIVE 67/548/EEC AND
AMENDMENTS.

III. PHYSICAL DATA

Boiling Point: NA	Specific Gravity (water=1): 1.07
Vapor Pressure: N/A	% Volatiles by Vol.: 0%
Vapor Density (air=1): N/A	Evaporation rate (water=1): --
Solubility in water: Completely soluble	
Appearance and color: white to off white powder- no odor.	

cont. of CSP Dry

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (test method): None

Flammable Limits in air, % by volume: Lower- N/A Upper- N/A

Extinguishing Media: Water.

Special Firefighting equipment: Wear a self-contained breathing unit.
in confined areas.

Unusual Fire and Explosion Hazard: NONE

V. REACTIVITY DATA

Stability- Stable ☒ Unstable ☐

Hazardous Polymerization-- May occur ☐ Will not occur ☒

Conditions and Materials to Avoid-- Avoid Acids.

Hazardous Decomposition Products-- None

VI. SPECIAL PROTECTION

Respiratory-- Respiratory mask is recommended with organic chemical
canister (NIOSH approved) when used in confined areas.

Eye Protection-- Wear protective glasses or face shield.

Protective Gloves-- Impervious gloves recommended.

Ventilation-- Normal room ventilation.

VII. SPILL OR LEAK PROCEDURES

Steps to be taken in case material is spilled or released--

Use dry absorbent. Keep away from sewers and water systems by
diking. Spill may be slippery.

Waste Disposal Method--

Collect dry refuse into a suitable container for disposal.

Incinerate or bury in accordance with Federal or local regulations.

VIII. STORING AND HANDLING

Indoor: ☒

Outdoor: ☐

Normal storage. Keep Dry.

cont. of CSP Dry

IX. HEALTH HAZARD DATA

Routes of Entry:

Inhalation: Avoid inhaling dust

Skin: Avoid direct skin contact.

Ingestion: Do not ingest.

HAZARD - ACUTE--

Eye Contact: May cause irritation.

Skin Contact: May cause mild irritation with repeated exposure.

Ingestion: May be harmful if swallowed. Avoid ingestion.

Inhalation: Excessive inhalation of vapors may cause dizziness and nausea.

HAZARD - CHRONIC--

Toxicity: Generally non-toxic. Use good hygiene practices.

Exposure Limits: N/E

Carcinogenic Potential: NONE

X. FIRST-AID RESPONSES

Eyes: Flush with water; see physician.

Skin: Remove contaminated clothing. Wash skin with soap and water; repeat. See physician if irritation persists.

Ingestion: _____ Promote vomiting; head low; prevent liquid from draining into lungs; get medical attention.

 X Do not induce vomiting; contact physician.

Inhalation: Remove victim to fresh air; give oxygen if breathing is difficult; keep warm. Get medical attention.

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, EASTERN COLOR & CHEMICAL COMPANY makes no warranty with respect thereto and disclaims all liability from reliance thereon. BE SAFE--read for product safety information and pass it on.

CSP Dry

CLASSIFICATION: Sodium hexametaphosphate/trisodium phosphate blend

PROPERTIES:

Appearance	- white to offwhite granular powder
pH	- 7.5 ± 1.5 (40% solution)
Active Content	- 32% polyphosphates
Density	- 9.0 lbs./gallon
Chelating Activity @ pH 11	- 300mg CaCO ₃ /g min.

GENERAL COMMENTS: SOLON PEROX MOD BASE is an effective sequestrant and deactivator for a wide range of metallic ions including calcium, magnesium, **iron**, copper, aluminum and other interfering metal salts, SOLON PEROX MOD BASE forms soluble salts under conditions that would normally cause precipitation of these ions.

The presence of SOLON PEROX MOD BASE in kier boiling and scouring prevents spotting of goods, eliminates hard curds, and prevents scale build up.

SOLON PEROX MOD BASE prevents ion deposition in cooling towers heat exchangers, boilers and other industrial operations.

In bleaching processes SOLON PEROX MOD BASE is very effective in correction faulty dyeings due to poorly soluble salts of the dyestuff. In vat dyeings this sequestrant prevents loss of color value and assists in improving wash and rub fastness.

Due to the high purity of SOLON PEROX MOD BASE, it is excellent sequestrant for emulsion polymerization.

INDUSTRIAL APPLICATION: Add 1 gram per 300mg of ions to be sequestered.