



# MATERIAL SAFETY DATA SHEET

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Company Name</b> Nu-Calgon Wholesaler, Inc.	<b>Phone Number</b> (314) 469-7000 / (800) 554-5499	<b>CHEMTREC</b> (800) 424-9300		
<b>Street Address</b> 2008 Altom Court	<b>City</b> St. Louis	<b>State</b> MO	<b>Postal Code</b> 63146-4151	<b>Last Update</b> 3/22/07
<b>Product Name</b> 10CL Phosphate	<b>Product Number</b> 4539	<b>Product Use</b> Polyphosphate Glass scale inhibitor		<b>EPA Registration #</b> N/A

## SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<b>Hazardous Ingredients</b>	<b>% By Wt.</b>	<b>CAS Number</b>	<b>TLV</b>	<b>PEL</b>
Based on our hazard evaluation, none of the substances in this product are hazardous.				

## SECTION 3 – HAZARD IDENTIFICATION

**Emergency Overview:** CAUTION May cause irritation with prolonged contact. Do not get in eyes, on skin, on clothing. Do not take internally. Do not breathe dust. Wear suitable protective clothing. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water. Not flammable or combustible.

### **Potential Health Effects**

**Eyes:** No adverse effects expected.

**Skin:** No adverse effects expected.

**Ingestion:** Not a likely route of exposure. No adverse effects expected.

**Inhalation:** No adverse effects expected.

**Chronic Exposure:** A review of available data does not identify any symptoms from exposure not previously mentioned.

**Carcinogenicity:** None of the substances in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the American Conference of Governmental Industrial Hygienists (ACGIH).

**Medical Conditions Aggravated by Exposure:** A review of available data does not identify any worsening of existing conditions.

## SECTION 4 – FIRST AID MEASURES

**Eyes:** Flush affected area with water. If symptoms develop, seek medical advice.

**Skin:** Remove contaminated clothing. Wash off affected area immediately with plenty of water. If symptoms develop, seek medical advice.

**Ingestion:** Do not induce vomiting without medical advice. If conscious, washout mouth and give water to drink. If symptoms develop, seek medical advice.

**Inhalation:** Remove to fresh air, treat symptomatically. If symptoms develop, seek medical advice. NOTE TO PHYSICIAN : Based on the individual reactions of the patient, the physician's judgement should be used to control symptoms and clinical condition.

## SECTION 5 – FIREFIGHTING MEASURES

**Flash Point:** Nonflammable°C/Nonflammable°F

**Autoignition Temp:** None.°C/None.°F

**Hazardous Products of Combustion:** None.

**Flammable Limits in Air:** None.

**Extinguishing Media:** Use carbon dioxide or dry chemical media for small fires., Foam, Dry powder, Other extinguishing agent suitable for Class B fires, For large fires, use water spray or fog, thoroughly drenching the burning material.

**Fire and Explosion Hazards:** May evolve oxides of phosphorus (POx) under fire conditions.

**Special Firefighting Procedures:** In case of fire, wear a full face positive-pressure self contained breathing apparatus and protective suit.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Spill or Leak:** PERSONAL PRECAUTIONS : Notify appropriate government, occupational health and safety and environmental authorities. Use personal protective equipment recommended in Section 8 (Exposure Controls/Personal Protection).

METHODS FOR CLEANING UP : Sweep up and shovel. Reclaim into recovery or salvage drums. Dispose of material in compliance with regulations indicated in Section 13 (Disposal Considerations). ENVIRONMENTAL PRECAUTIONS : Do not contaminate surface water.

## SECTION 7 – HANDLING AND STORAGE

**Handling Procedures and Equipment:** Do not take internally. Ensure all containers are labelled. Avoid eye and skin contact. Avoid generating dusts.

**Storage Requirements:** Store separately from oxidizers. Keep in dry place.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** Respiratory protection is not normally needed. An approved respirator must be worn if the occupational exposure limit is likely to be exceeded. A dust respirator may be used.

**Eye Protection:** Wear safety glasses with side-shields.

**Protective Clothing:** Nitrile gloves, PVC gloves, Neoprene gloves, Rubber gloves, Butyl gloves, Cloth gloves. Wear standard protective clothing.

**Exposure Guidelines:** Exposure guidelines have not been established for this product. Available exposure limits for the substance(s) are shown below.

ACGIH/TLV :

Substance(s)

Respirable Nuisance TWA: 3 mg/m<sup>3</sup>

Particulates

Inhalable (Total) Nuisance TWA: 10 mg/m<sup>3</sup>

Particulates

OSHA/PEL :

Substance(s)

Respirable Nuisance TWA: 5 mg/m<sup>3</sup>

Particulates

Inhalable (Total) TWA: 15 mg/m<sup>3</sup> (total dust)

Nuisance Particulates

**Specific Engineering Controls (such as ventilation, enclosed process):** General ventilation is recommended. Local exhaust ventilation may be necessary when dusts or mists are generated. Keep an eye wash fountain available. Keep a safety shower available.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Form:</b> Glass	<b>Freezing Point:</b> No Data.°C/No Data.°F	<b>% Volatile by Weight:</b> No Data.%
<b>Color:</b> Clear	<b>Vapor Density [air =1]:</b> Solid	<b>Evaporation Rate:</b> No Data.
<b>Odor:</b> None	<b>Vapor Pressure:</b> Solid	<b>Specific Gravity:</b> Solid
<b>Boiling Point:</b> Solid°C/Solid°F	<b>Solubility in Water:</b> Complete	<b>pH (concentrate):</b> 7.0 - 7.5

## SECTION 10 – STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions.

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**Incompatibilities:** Contact with strong oxidizers (e.g. chlorine, peroxides, chromates, nitric acid, perchlorate, concentrated oxygen, permanganate) may generate heat, fires, explosions and/or toxic vapors.

**Reactive Conditions to avoid:** Moisture

**Decomposition Products:** Under fire conditions: Oxides of phosphorus, Oxides of sodium

## SECTION 11 – TOXICOLOGICAL INFORMATION

<b>Hazardous Ingredients</b>	<b>CAS #</b>	<b>EINECS #</b>	<b>LD 50 of Ingredient</b> (Specify Species)	<b>LC50 of Ingredient</b> (Specify Species)
No toxicity studies have been conducted on this product.				

## SECTION 12 – ECOLOGICAL INFORMATION

<b>Hazardous Ingredients</b>	<b>Aquatic Toxicity Data</b>
No toxicity studies have been conducted on this product.	If released into the environment, see CERCLA/SUPERFUND in Section 15.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal:** If this product becomes a waste, it is not a hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, since it does not have the characteristics of Subpart C, nor is it listed under Subpart D. As a non-hazardous waste, it is not subject to federal regulation. Consult state or local regulation for any additional handling, treatment or disposal requirements. For disposal, contact a properly licensed waste treatment, storage, disposal or recycling facility.

## SECTION 14 – TRANSPORTATION INFORMATION

**Special Shipping Information:** Not Regulated.

<u>Purview</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
<b>DOT</b> (Land)	Not Regulated.			
<b>IMO</b> (Water)	Not Regulated.			
<b>ICAO</b> (Air)	Not Regulated.			

## SECTION 15 – REGULATORY INFORMATION

<b>WHMIS Classification:</b> (Workplace Hazardous Material Information System)	Not considered a WHMIS controlled product.				
<b>SARA Title III:</b> (Superfund Amendments & Reauthorization Act)	This product does not contain substances listed in Appendix A and B as an Extremely Hazardous Substance. Our hazard evaluation has found that this product is not hazardous under 29 CFR 1910.1200. The current thresholds are: 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals. This product does not contain substances on the List of Toxic Chemicals.				
<b>OSHA:</b> (Occupational Safety & Health Administration)	Based on our hazard evaluation, none of the substances in this product are hazardous.				
<b>TSCA:</b> (Toxic Substance Control Act)	The substances in this preparation are included on or exempted from the TSCA 8(b) Inventory (40 CFR 710)				
<b>VOC:</b> (volatile Organic Compounds)	No Data.				
<b>CPR:</b> (Canadian Controlled Products Regulations)	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations.				
<b>EINECS:</b> (European Inventory of Existing Commercial Chemical Substances)	No Data.				
<b>DSL / NDSL:</b> (Canadian Domestic Substance List)(Non-Domestic Substance List)	No Data.				
<b>CERCLA:</b> (Comprehensive Response Compensation & Liability Act)	This product contains the following Reportable Quantity (RQ) Substance. Also listed is the RQ for the product. <table style="margin-left: 40px;"> <tr> <td>RQ Substance</td> <td>RQ</td> </tr> <tr> <td>Sodium Phosphate, Tribasic</td> <td>5,000 lbs</td> </tr> </table>	RQ Substance	RQ	Sodium Phosphate, Tribasic	5,000 lbs
RQ Substance	RQ				
Sodium Phosphate, Tribasic	5,000 lbs				
<b>IDL:</b> (Canadian Ingredient Disclosure List)	No Data.				
<b>NFPA (HMIS) Rating:</b> (Hazardous Materials Identification System)	Health Hazard.....: 1 Fire Hazard.....: 0 Reactivity.....: 0 Personal Protection...: X				

## SECTION 16 – OTHER INFORMATION

This product has received NSF/International certification under ANSI/NSF Standard 60 in the corrosion and scale control and sequestering categories. The official name is "Miscellaneous Corrosion Chemicals." Maximum product application dosage is : 11 mg/l.

CLEAN AIR ACT, Sec. 111 (40 CFR 60, Volatile Organic Compounds), Sec. 112 (40 CFR 61, Hazardous Air Pollutants), Sec. 602 (40 CFR 82, Class I and II Ozone Depleting Substances) :

None of the substances are specifically listed in the regulation.

CALIFORNIA PROPOSITION 65 :

This product does not contain substances which require warning under California Proposition 65.

MICHIGAN CRITICAL MATERIALS :

None of the substances are specifically listed in the regulation.

STATE RIGHT TO KNOW LAWS :

The following substances are disclosed for compliance with State Right to Know Laws:

Sodium Phosphate, Tribasic 7601-54-9

The information contained herein is based on the data available to us and is believed to be correct. However, Nu-Calgon Wholesaler Inc. makes no warranty, expressed, or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Nu-Calgon Wholesaler Inc. assumes no liability for injury from the use of the product described herein.