



## Safety Data Sheet

**Issue Date:** 04-02-2014

**Revision Date:** NEW

**Version 1**

### 1: IDENTIFICATION

**Product Identifier:**

**Product Name:** System Cleaner, Liquid

**Other Means of Identification:**

**Part Number:** 4370-08

**Recommended Use of the Chemical and Restrictions on Use:**

**Details of the Author of the Safety Data Sheet:**

**Supplier Address:** NU-CALGON WHOLESALER,  
INC. 2611 Schuetz Road  
St. Louis, MO 63043 US

**Emergency Telephone Number:**

**Company Phone Number:** (314) 469-7000  
(800) 554-5499

**Emergency Telephone:  
Number (24hr):** CHEMTREC 800-424-9300

### 2: HAZARDS IDENTIFICATION

**Hazard Classification:** Acute toxicity (oral), category 3  
Skin corrosion, category 1B  
Serious eye damage, category 1

**Signal Word:** Danger

**Hazard Statements:** H301: Toxic if swallowed.  
H314: Causes severe skin burns and eye damage.

**Pictograms of Related Hazards:**



**Precautionary Statements:**

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331 - Do NOT induce vomiting

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER or doctor/physician.

P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P310: Immediately call a POISON CENTER or doctor/physician

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P311: Call a POISON CENTER or doctor/physician

P363: Wash contaminated clothing before reuse

P405 – Store locked up.

**Description of Other Hazards:** Mist causes respiratory tract irritation and burns.

### 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %
Tetrapotassium pyrophosphate	7320-34-5	1-10
Potassium hydroxide	1310-58-3	1-10
Sodium silicate	15859-24-2	1-10
Amphoteric surfactant	Proprietary	1-10
Alkylphenol ethoxylate	68412-54-4	1-10

### 4: FIRST-AID MEASURES

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids to ensure complete rinsing. Remove contact lenses, if present, after 5 minutes of flushing, and then continue flushing. Get medical attention immediately.

**Skin Contact:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing and thoroughly clean shoes before reuse.

**Inhalation:** If inhaled, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion:** If swallowed, do NOT induce vomiting. If victim is conscious and alert, rinse out mouth with water and give large quantities of water to drink. Get medical attention immediately. Never give anything by mouth to an unconscious person.

## 5: FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Use extinguishing media appropriate for the surrounding fire.

**Unsuitable Extinguishing Media:** Not available

**Protective Equipment and Precautions for Firefighters:** Firefighters should wear full protective clothing including a self-contained breathing apparatus.

**Specific Hazards Arising from this Chemical:** Contact with some metals can generate flammable hydrogen gas. Toxic gases may be emitted under fire conditions.

**Hazardous Combustion Products:** Thermal decomposition or combustion may produce oxides of potassium, oxides of phosphorus, oxides of carbon, oxides of sodium, and oxides of nitrogen.

## 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use personal protective equipment recommended in Section 8 (Exposure Controls/Personal Protection). Ventilate the spill area. Keep unnecessary and unprotected people away from the spill site. Stop or reduce any leaks if is safe to do so. Notify appropriate government, occupational health and safety, and environmental authorities.

### Methods for Clean-up:

**Small spills:** Soak up spill with an inert absorbent material (e.g. vermiculite, sand, or earth). Place residues in a suitable, covered, properly labeled container. Wash the affected area.

**Large spills:** Contain liquid using an inert absorbent material (e.g. vermiculite, sand, or earth), by digging trenches, or by diking. Reclaim into recovery or salvage drums or tank truck for proper disposal. Contact an approved waste hauler for disposal of contaminated recovered material.

**Disposal:** Dispose of material in compliance with federal, state, and local regulations.

**Environmental Precautions:** Prevent entry into lakes, ponds, streams, waterways, or public

## 7: HANDLING AND STORAGE

### Advice on Safe Handling:

DANGER - CORROSIVE

Avoid contact with skin, eyes, and clothing.

Avoid breathing vapors or mist.

Use with adequate ventilation.

Wash thoroughly after handling.

Do not take internally.

Keep containers closed when not in use.

Ensure that containers are properly labeled.  
 Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid).  
 Observe all warnings and precautions listed for this product.  
 Have emergency equipment (for fires, spills, leaks, etc.) readily available.

**Storage Conditions:**

Store in a cool, dry, well-ventilated area away from incompatible materials.  
 Protect against the physical damage of containers.

<b>8: EXPOSURE CONTROL / PERSONAL PROTECTION</b>
--

Chemical Name	NIOSH	OSHA PEL	ACGIH TLV
Tetrapotassium pyrophosphate	None established	None established	None established
Potassium hydroxide	None established	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>
Sodium silicate	None established	None established	None established
Amphoteric surfactant	None established	None established	None established
Alkylphenol ethoxylate	None established	None established	None established

**Eye/Face Protection:** Chemical splash goggles and face shield.

**Skin and Body Protection:** Chemical resistant gloves and impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory Protection:** If airborne concentrations exceed published exposure limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements (29 CFR 1910.134).



**Engineering Controls:** Use local and/or general exhaust ventilation to maintain airborne concentrations below irritating levels or airborne exposure limits, whichever is lower. Local exhaust is generally preferred because it can control the emission of the contaminant at its source, thus preventing dispersion of it into the general work area. Please refer to the ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices, the most recent edition", for details.

**General Hygiene Considerations:** Use good industrial hygiene practices in handling this material. When using, do not eat or drink. Wash hands before breaks and immediately after handling the product. An eye wash station and safety shower should be accessible in the immediate area of use. Protective equipment should be cleaned thoroughly after each use.

## 9: PHYSICAL AND CHEMICAL PROPERTIES

**pH:** >13.0

**Specific Gravity:** 1.170-1.250 g/mL

**Flash Point:** Not available

**Solubility In Water:** Not available

**Boiling Point:** Not available

**Freezing Point:** Not available

**Vapor Pressure:** Not available

**Vapor Density:** Not available

**Appearance and Odor:** Clear colorless to pale yellow solution with mild odor

## 10: STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**Incompatibilities:** Strong oxidizers and acids. This product will react violently with acids.

**Reactive Conditions to Avoid:** Temperature extremes and incompatibles

**Hazardous Decomposition Products:** Thermal decomposition or combustion may produce oxides of potassium, oxides of phosphorus, oxides of carbon, oxides of sodium, and oxides of nitrogen.

## 11: TOXICOLOGICAL INFORMATION

**Likely Routes Of Exposure:** Eye contact, skin contact, ingestion, and inhalation of product vapors or mists

**Acute Toxicity:**

Test Material	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
Tetrapotassium pyrophosphate	2,440 mg/Kg	>2,000 mg/Kg	Not available
Potassium hydroxide	273 mg/Kg	1,600 mg/Kg	Not available
Sodium silicate	1,153 mg/Kg	Not available	4,640 mg/Kg
Amphoteric surfactant, 39% with <5% methanol	>5 mL/Kg	Not available	64,000 ppm/1hr
Alkylphenol ethoxylate	510 mg/Kg	Not available	Not available

**Acute Symptoms and Effects:**

**Eye:** Contact with the eye causes severe irritation and burns. Tearing, redness, pain, swelling, and impaired vision may occur. Greater exposures may possibly result in permanent damage.

**Skin:** Contact with skin causes severe skin irritation and burns. Soreness, redness, and destruction of skin may result. There may be a delay between the time of exposure and when the sense of irritation begins.

**Ingestion:** Ingestion of this product causes irritation and burns of the mouth, throat, esophagus, stomach, and intestine. Perforation of the esophagus, stomach, and/or intestine may occur. Abdominal pain, nausea, vomiting, diarrhea, and general gastrointestinal upset can be expected. Blood chemistry effects (hypocalcemia and hyperkalemia) may occur if a large amount of the product component, TKPP, is ingested.

**Inhalation:** Inhalation of product mist causes respiratory tract irritation and burns. Symptoms may include a burning sensation, coughing, wheezing, laryngitis, shortage of breath, headache, nausea, and vomiting. High concentrations may cause lung damage.

**Chronic:** No applicable information was found concerning any potential health effects resulting from subchronic or chronic exposure to the product.

**Reproductive effects:** Not established

**Teratogenicity:** Not established

**Mutagenicity:** Not established

**Embryotoxicity:** Not established

**Sensitization to Product:** Not established

**Synergistic Products:** Not established

**Carcinogenicity:** Not established

The toxicological properties of this material have not been fully investigated.

**12: ECOLOGICAL INFORMATION****Aquatic Toxicity:**

Components of this product have been identified as having potential environmental concerns.

**Acute Toxicity Data:**

Test Material	Aquatic Toxicity Data
Tetrapotassium pyrophosphate	48 hr LC50 (Daphnia magna): >100 mg/L 96 hr LC50 (Rainbow trout): >100 mg/L
Potassium hydroxide	48 hr EC50 (Water flea): 60 mg/L 96 hr LC50 (Fathead minnow): 179 mg/L 24 hr LD50 (Bluegill sunfish): 56 mg/L 24 hr LD50 (Rainbow trout): 50 mg/L
Sodium metasilicate	96 hr LC50 (Daphnia magna): 496 mg/L 96 hr LC50 (Mosquito fish): 530 mg/L
Amphoteric surfactant, 39% with <5% methanol	48 hr EC50 (Daphnia magna): >100 mg/L
Alkylphenol ethoxylate (similar product)	48 hr LC50 (Daphnia): 21.4 mg/L 96 hr LC50 (Daphnia): 6.6 mg/L 96 hr LC50 (Fathead minnow): 7.7, 4.8, and 6.6 mg/L

**Persistence and Degradability:**

No data available

**Bioaccumulative Potential:**

No data available

**Mobility in Soil:**

No data available

**Other Adverse Effects:**

No data available

**13: DISPOSAL INFORMATION****Disposal:** Dispose of in accordance with local, state, and federal regulations.**14: TRANSPORT INFORMATION**

Please see current shipping paper for most up-to-date shipping information, including exemptions and special circumstances.

**US Department of Transportation (DOT):**

UN Number: UN 1760

Proper Shipping Name: Corrosive Liquid, n.o.s.  
(Potassium hydroxide)

Primary Hazard Class/Division: 8

Packing Group: III

Label: Corrosive



**Canada (TDG):**

UN Number: UN 1760  
 Proper Shipping Name: Corrosive Liquid, n.o.s.  
 (Potassium hydroxide)  
 Primary Hazard Class/Division: 8  
 Packing Group: III  
 Label: Corrosive



**International Maritime Dangerous Goods Code (IMDG):**

UN Number: UN 1760  
 Proper Shipping Name: Corrosive Liquid, n.o.s.  
 (Potassium hydroxide)  
 Primary Hazard Class/Division: 8  
 Packing Group: III  
 Label: Corrosive



**15: REGULATORY INFORMATION**

**US Federal Regulations:**

**OSHA Hazard Communication Status:** Hazardous

**TSCA:** The ingredients of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

**CERCLA: EPA Hazardous Substances (40 CFR 302):**

<u>Chemical Name</u>	<u>CERCLA Reportable Quantity (RQ)</u>
Potassium hydroxide	1,000 lb
Product	14,815 lb

(Notify the EPA of spills exceeding this amount.)

**SARA TITLE III (Sections 302, 311, 312, and 313):**

**Section 302 Extremely Hazardous Substances (40 CFR 355):**

<u>Chemical Name</u>	<u>CAS#</u>	<u>RQ</u>	<u>TPQ</u>
None			

**Section 311 and 312 Health and Physical Hazards:**

<u>Immediate</u>	<u>Delayed</u>	<u>Fire</u>	<u>Pressure</u>	<u>Reactivity</u>
yes	yes	no	no	No

**Section 313 Toxic Chemicals (40 CFR 372):**

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Percent by Weight</u>
None		

**US State Regulations:**

California Proposition 65: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**International Inventories:** No data



**16: OTHER INFORMATION****Other Classifications:**

**HMIS Ratings:** Health = 3 Flammability = 0 Reactivity = 0

**NFPA Ratings:** Health = 3 Flammability = 0 Reactivity = 0

Hazard Rating Scale: 0=Minimal; 1=Slight; 2=Moderate; 3=Serious; 4=Severe

**WHMIS (Canada):**

Class E: Corrosive Material



---

While the information and recommendations set forth herein are believed to be accurate as of the date thereof, NU-CALGON WHOLESALER, INC MAKES NO WARRANTY WITH RESPECT HERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.



# SAFETY DATA SHEET

Sid Harvey Item # 4371-36

SDS # Z0417

## 1. Product and Company Identification

<b>Product identifier</b>	<b>Thermo Trap Paste (4371-36)</b>
<b>Other means of identification</b>	Not available
<b>Recommended use</b>	Heat absorbing paste
<b>Recommended restrictions</b>	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Manufacturer</b>	
<b>Company name</b>	Nu-Calgon
<b>Address</b>	2008 Altom Court St. Louis, MO 63146 United States
<b>Telephone</b>	314-469-7000 / 800-554-5499
<b>E-mail</b>	info@nucalgon.com
<b>Emergency phone number</b>	1-800-424-9300 (CHEMTREC)

## 2. Hazards Identification

<b>Physical hazards</b>	Not classified.
<b>Health hazards</b>	Not classified.
<b>Environmental hazards</b>	Not classified.
<b>OSHA defined hazards</b>	Not classified.
<b>Label elements</b>	
<b>Hazard symbol</b>	None.
<b>Signal word</b>	None.
<b>Hazard statement</b>	The mixture does not meet the criteria for classification.
<b>Precautionary statement</b>	
<b>Prevention</b>	Observe good industrial hygiene practices.
<b>Response</b>	Wash hands after handling.
<b>Storage</b>	Store away from incompatible materials.
<b>Disposal</b>	Dispose of waste and residues in accordance with local authority requirements.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	Not applicable.

## 3. Composition/Information on Ingredients

### Mixtures

Ingredients not identified are proprietary or non-hazardous by GHS criteria.

## 4. First Aid Measures

<b>Inhalation</b>	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Skin contact</b>	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
<b>Eye contact</b>	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
<b>Ingestion</b>	Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing.
<b>Most important symptoms/effects, acute and delayed</b>	Direct contact with eyes may cause temporary irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Treat symptomatically.

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

---

## 5. Fire Fighting Measures

---

**Suitable extinguishing media** Treat for surrounding material.

**Unsuitable extinguishing media** Not available.

**Specific hazards arising from the chemical** During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire-fighting equipment/instructions** Move containers from fire area if you can do so without risk.

**Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials.

**General fire hazards** No unusual fire or explosion hazards noted.

---

## 6. Accidental Release Measures

---

**Personal precautions, protective equipment and emergency procedures** Keep out of low areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up** Stop leak if you can do so without risk.

Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

**Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

---

## 7. Handling and Storage

---

**Precautions for safe handling** Use good industrial hygiene practices in handling this material. Keep out of reach of children. Store in a closed container away from incompatible materials.

**Conditions for safe storage, including any incompatibilities** Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

---

## 8. Exposure Controls/Personal Protection

---

**Occupational exposure limits** No exposure limits noted for ingredient(s).

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Safety glasses if eye contact is possible.

**Skin protection**

**Hand protection** Impervious gloves. Confirm with reputable supplier first.

**Other** Wear suitable protective clothing.

**Respiratory protection** No personal respiratory protective equipment normally required.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

---

## 9. Physical and Chemical Properties

---

**Appearance** Paste.

**Physical state** Liquid.

**Form** Paste

**Color** Grey to White.

<b>Odor</b>	Odorless
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Pour point</b>	Not available.
<b>Specific gravity</b>	1.02
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	15.5 mm Hg
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Viscous

---

## 10. Stability and Reactivity

---

<b>Reactivity</b>	This product may react with strong oxidizing agents.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Do not mix with other chemicals.
<b>Incompatible materials</b>	Strong oxidizing agents. Acids.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon.

---

## 11. Toxicological Information

---

### Information on likely routes of exposure

<b>Ingestion</b>	May cause stomach distress, nausea or vomiting.
<b>Inhalation</b>	No adverse effects due to inhalation are expected.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

<b>Acute toxicity</b>	Not available.
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.
<b>Exposure minutes</b>	Not available.
<b>Erythema value</b>	Not available.
<b>Oedema value</b>	Not available.
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.
<b>Corneal opacity value</b>	Not available.

<b>Iris lesion value</b>	Not available.
<b>Conjunctival reddening value</b>	Not available.
<b>Conjunctival oedema value</b>	Not available.
<b>Recover days</b>	Not available.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not available.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, NTP, or OSHA.
<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	
	Not listed.
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not available.
<b>Chronic effects</b>	The finished product is not expected to have chronic health effects.
<b>Further information</b>	This product has no known adverse effect on human health.

---

## 12. Ecological Information

---

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Persistence and degradability</b>	Not available.
<b>Bioaccumulative potential</b>	Not available.
<b>Mobility in soil</b>	Not available.
<b>Mobility in general</b>	Not available.
<b>Other adverse effects</b>	Not available.

---

## 13. Disposal Considerations

---

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

---

## 14. Transport Information

---

<b>U.S. Department of Transportation (DOT)</b>	Not regulated as dangerous goods.
<b>Transportation of Dangerous Goods (TDG - Canada)</b>	Not regulated as dangerous goods.
<b>IATA/ICAO (Air)</b>	Not regulated as dangerous goods.
<b>IMDG (Marine Transport)</b>	Not regulated as dangerous goods.

---

## 15. Regulatory Information

---

<b>US federal regulations</b>	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>	Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - No  
 Delayed Hazard - No  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**  
 Not regulated.

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**Food and Drug Administration (FDA)** Not regulated.

**US state regulations**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Not listed.

**US. Massachusetts RTK - Substance List**

Not regulated.

**US. Pennsylvania RTK - Hazardous Substances**

Not regulated.

**US. Rhode Island RTK**

Not regulated.

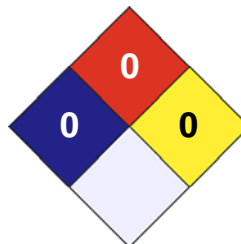
Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

**16. Other Information**

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/ 0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

**Disclaimer**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

**Issue date**

12-March-2014

**Further information**

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

**Other information**

This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).





# 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> 3/20/07
<b>Product Name</b> Thermo Trap		<b>Product Number</b> 4371	<b>Product Use</b> Heat absorbing paste.		<b>EPA Registration #</b> N/A

## SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>% By Wt.</u>	<u>CAS Number</u>	<u>TLV</u>	<u>PEL</u>
According to the OSHA Hazard Communications Standard, 29 CFR 1910.1200, this product contains no hazardous ingredients.				

## SECTION 3 – HAZARD IDENTIFICATION

<b>Emergency Overview:</b> 50 mppcf or 15mg/m3 (nuisance dust) OSHA STANDARD-DRY DUST ONLY.
<b>Potential Health Effects</b>
<b>Eyes:</b> No Data.
<b>Skin:</b> No Data.
<b>Ingestion:</b> No Data.
<b>Inhalation:</b> Prolonged inhalation of dust may result in irritation of respiratory tract.
<b>Chronic Exposure:</b> No available information was found.
<b>Carcinogenicity:</b> No Data.
<b>Medical Conditions Aggravated by Exposure:</b> No Data.

## SECTION 4 – FIRST AID MEASURES

<b>Eyes:</b> Flush with water. If an irritation develops, contact a physician.
<b>Skin:</b> Flush with water. If an irritation develops, contact a physician.
<b>Ingestion:</b> Call a physician.
<b>Inhalation:</b> Remove to fresh air.

## SECTION 5 – FIREFIGHTING MEASURES

<b>Flash Point:</b> No Data.°C/No Data.°F
<b>Autoignition Temp:</b> No Data.°C/No Data.°F
<b>Hazardous Products of Combustion:</b> No Data.
<b>Flammable Limits in Air:</b> No Data.
<b>Extinguishing Media:</b> No Data.
<b>Fire and Explosion Hazards:</b> No Data.
<b>Special Firefighting Procedures:</b> No Data.



**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Spill or Leak:** Normal precautions should be observed in case of spills. Avoid prolonged inhalation.

**SECTION 7 – HANDLING AND STORAGE**

**Handling Procedures and Equipment:** Read and observe all label precautions.

**Storage Requirements:** Normal precautions should be provided.

**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Respiratory Protection:** The use of NIOSH - approved respirator may be recommended

**Eye Protection:** Safety goggles

**Protective Clothing:** None required.

**Exposure Guidelines:** No Data.

**Specific Engineering Controls (such as ventilation, enclosed process):** Local exhaust.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical Form:</b> Paste	<b>Freezing Point:</b> No Data.°C/No Data.°F	<b>% Volatile by Weight:</b> No Data.%
<b>Color:</b> Grey - White dispersion	<b>Vapor Density [air =1]:</b> No Data.	<b>Evaporation Rate:</b> No Data.
<b>Odor:</b> No odor	<b>Vapor Pressure:</b> mm Hg: 15.5	<b>Specific Gravity:</b> 1.02
<b>Boiling Point:</b> No Data.°C/212°F	<b>Solubility in Water:</b> No Data.	<b>pH (concentrate):</b> No Data.

**SECTION 10 – STABILITY AND REACTIVITY**

**Chemical Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Incompatibilities:** No Data.

**Reactive Conditions to avoid:** No Data.

**Decomposition Products:** No Data.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

<b>Hazardous Ingredients</b>	<b>CAS #</b>	<b>EINECS #</b>	<b>LD 50 of Ingredient (Specify Species)</b>	<b>LC50 of Ingredient (Specify Species)</b>
No Data.				

**SECTION 12 – ECOLOGICAL INFORMATION**

<b>Hazardous Ingredients</b>	<b>Aquatic Toxicity Data</b>
No Data.	

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Dispose of in accordance with local, state and federal regulations.

**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 regulated by WHMIS.
<b>SARA Title III:</b> (Superfund Amendments & Reauthorization Act)	No Data.
<b>OSHA:</b> (Occupational Safety & Health Administration)	No Data.
<b>TSCA:</b> (Toxic Substances Control Act)	All ingredients are TSCA listed.
<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)	No Data.
<b>IDL:</b> (Canadian Ingredient Disclosure List)	No Data.
<b>NFPA (HMIS) Rating:</b> (Hazardous Materials Identification System)	Health Hazard.....: 0 Fire Hazard.....: 0 Reactivity.....: 0 Personal Protection...: X

**SECTION 16 – OTHER INFORMATION**

No Data.

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.