



# 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> 01/29/07
<b>Product Name</b> CalClean HD-Rtu	<b>Product Number</b> 4144	<b>Product Use</b> Ready-To-Use Cleaner/Degreaser		<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>
No ingredients identified by OSHA as hazardous are present, or the ingredients present are below reportable levels specified by OSHA (<1.0% for Haz. Materials., <0.1% for carcinogens).				
Sodium Metasilicate	<1%	1310-58-3	2mg/m3 (TWA/STEL)	2mg/m3
Sodium Tripolyphosphate	<1%	7758-29-4	None Established	None Established

## SECTION 3 – HAZARD IDENTIFICATION

<b>Emergency Overview:</b> Do not get in eyes, on skin or clothing. Avoid breathing spray or mist. Use only with adequate personal protection equipment.
<b>Potential Health Effects</b>
<b>Eyes:</b> Prolonged or repeated contact with eyes may cause irritation and reddening.
<b>Skin:</b> Prolonged or repeated contact with skin may cause irritation and reddening, drying of the skin.
<b>Ingestion:</b> Ingestion may cause irritation of the mouth, throat and stomach with possible nausea and vomiting.
<b>Inhalation:</b> Inhalation of generated mists or spray may cause irritation of mouth, throat, stomach, and respiratory tract.
<b>Chronic Exposure:</b> None currently known.
<b>Carcinogenicity:</b> None
<b>Medical Conditions Aggravated by Exposure:</b> An existing dermatitis.

## SECTION 4 – FIRST AID MEASURES

<b>Eyes:</b> Flush eyes with water for at least 30 minutes and call a physician immediately. Speed of action is essential.
<b>Skin:</b> Wash with large amounts of soap and water. If irritation persists, consult a physician.
<b>Ingestion:</b> Do NOT induce vomiting. Dilute by drinking water. Call a physician immediately.
<b>Inhalation:</b> Remove to fresh air. Start artificial respiration if necessary. Oxygen may be administered. Call a physician.

## SECTION 5 – FIREFIGHTING MEASURES

<b>Flash Point:</b> None to Boiling °F
<b>Autoignition Temp:</b> N/A°C/N/A°F
<b>Hazardous Products of Combustion:</b> Burning may produce oxides of carbon and other substances.
<b>Flammable Limits in Air:</b> N/A
<b>Extinguishing Media:</b> Product is non-combustible. Water Spray (Fog), Dry Chemical; CO <sub>2</sub> ; or Foam may be used where product is stored.
<b>Fire and Explosion Hazards:</b> None
<b>Special Firefighting Procedures:</b> Do not enter confined fire-spaces without protective clothing and self-contained air supply.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Spill or Leak:** Do not touch or walk through spilled material. Stop leak if you can without risk. Dike ahead of large spills to prevent run-off. Mop, pump or take up with sand or other inert absorbent and reclaim into containers for reuse, recycle, or proper disposal.

## SECTION 7 – HANDLING AND STORAGE

**Handling Procedures and Equipment:** No special requirements if product is handled according to good manufacturing practices. Wash thoroughly after handling. D.O.T. Classification: Not Regulated.

**Storage Requirements:** Keep container closed when not in use. Wash thoroughly after handling. D.O.T. Classification: Not Regulated

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** Not required under normal use conditions with good general ventilation. Protect against generated mists/sprayback.

**Eye Protection:** Safety Glasses/Goggles

**Protective Clothing:** Protective clothing appropriate to minimize contact during specific operations. Protective gloves: Rubber/PVC

**Exposure Guidelines:** KOH TLV = 2mg/M3. Eye wash station and safety shower in handling area

**Specific Engineering Controls (such as ventilation, enclosed process):** Normal

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Form:</b> Liquid	<b>Freezing Point:</b> 0°C/32°F	<b>% Volatile by Weight:</b> ~96%
<b>Color:</b> Clear	<b>Vapor Density [air =1]:</b> Not Determined	<b>Evaporation Rate:</b> (vs. H2O):About the same.
<b>Odor:</b> Mild, Pleasant Odor	<b>Vapor Pressure:</b> Not Determined	<b>Specific Gravity:</b> (H2O=1): 1.0 (+/-0.005)
<b>Boiling Point:</b> 100°C/212°F	<b>Solubility in Water:</b> Complete	<b>pH (concentrate):</b> 12.7 (=/-0.5)

## SECTION 10 – STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Hazardous Polymerization:** None

**Incompatibilities:** Strong acids/oxidizers. Do not mix with chlorinated detergents (bleach).

**Reactive Conditions to avoid:** Do not mix with chlorinated detergents (bleach) or any other chemicals.

**Decomposition Products:** Burning may produce oxides of carbon and other substances.

## 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>
Sodium Metasilicate	6834-92-0	No Data.	1280 mg/kg (Oral; Rat)	N/A
Sodium Tripolyphosphate	7758-29-4	No Data.	3120 mg/kg (oral; Rat)	N/A

## SECTION 12 – ECOLOGICAL INFORMATION

<b>Hazardous Ingredients</b>	<b>Aquatic Toxicity Data</b>
Sodium Metasilicate	LC50 (96 hr) = 247 mg/l (Daphnia Magna)
Sodium Tripolyphosphate	EC50 (48 hr) = >1,000 mg/l (Daphnia Magna)

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal:** Dispose of in an approved waste facility according to Federal, State and local regulations.

**SECTION 14 – TRANSPORTATION INFORMATION**

Special Shipping Information: No Data.

<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)	No Data.			
<b>ICAO</b> (Air)	No Data.			

**SECTION 15 – REGULATORY INFORMATION**

<b>WHMIS Classification:</b> (Workplace Hazardous Material Information System)	Class E - Corrosive Material
<b>SARA Title III:</b> (Superfund Amendments & Reauthorization Act)	Contains no Section 313 listed substances subject to reporting requirement.
<b>OSHA:</b> (Occupational Safety & Health Administration)	OSHA Hazardous - Acute Hazard
<b>TSCA:</b> (Toxic Substance Control Act)	All ingredients are TSCA registered.
<b>VOC:</b> (volatile Organic Compounds)	<1% by weight
<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)	All ingredients are listed on the DSL.
<b>CERCLA:</b> (Comprehensive Response Compensation & Liability Act)	N/A
<b>IDL:</b> (Canadian Ingredient Disclosure List)	Ingredients are below the IDL disclosure level.
<b>NFPA (HMIS) Rating:</b> (Hazardous Materials Identification System)	Health = 2 Flammability = 0 Reactivity = 1

**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.