



# 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> 11/8/06
<b>Product Name</b> Rx-Acid Scavenger	<b>Product Number</b> 4301	<b>Product Use</b> Acid neutralizer		<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>
Alkyl Benzene	98%	68855-24-3	N/A	N/A
Carbodiimide	2%	2162-74-5	N/A	N/A

## SECTION 3 – HAZARD IDENTIFICATION

**Emergency Overview:** CAUTION: May cause respiratory tract, eye and skin irritation. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use with adequate ventilation. Do not ingest.

### **Potential Health Effects**

**Eyes:** Moderately irritating to eyes and skin.

**Skin:** Moderately irritating to eyes and skin.

**Ingestion:** May cause gastrointestinal irritation and diarrhea.

**Inhalation:** Moderately irritating to the respiratory system.

**Chronic Exposure:** See hazardous decomposition statement in section X – Reactivity Data. These isocyanate compounds can cause allergic skin and respiratory reactions, as well as acute irritation effects to the eyes, skin, mucous membranes, and digestive tract.

**Carcinogenicity:** No Data.

**Medical Conditions Aggravated by Exposure:** Repeated or prolonged contact is not known to aggravate medical condition.

## SECTION 4 – FIRST AID MEASURES

**Eyes:** Check for and remove any contact lenses. In case of contact, flush eyes with plenty of water for at least 15 minutes. If irritation develops, get medical attention.

**Skin:** In case of contact, flush with plenty of water. If irritation develops, get medical attention. Remove contaminated clothing & shoes. Wash clothing and shoes before reuse.

**Ingestion:** If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

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

## SECTION 5 – FIREFIGHTING MEASURES

**Flash Point:** 148.9°F

**Autoignition Temp:** No Data. °C/No Data. °F

**Hazardous Products of Combustion:** No Data.

**Flammable Limits in Air:** No Data.

**Extinguishing Media:** CO2, dry chemical, foam, water fog or foam

**Fire and Explosion Hazards:** None

**Special Firefighting Procedures:** For fires involving this material, do not enter any closed or confined fire space without proper protection equipment. This may include self-contained breathing apparatus to protect against the hazardous effect of normal products of combustion or oxygen deficiency.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Spill or Leak:** Spill Management: Absorb spill with an inert material and put into an appropriate waste disposal. Do not allow to enter drains or waterways.  
**Waste Disposal Methods:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## SECTION 7 – HANDLING AND STORAGE

**Handling Procedures and Equipment:** Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed. General Handling information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water. Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge.

**Storage Requirements:** Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** Respiratory protection is not required for the use of this product. Wear appropriate respirator when ventilation is inadequate.

**Eye Protection:** Safety glasses with side shield or chemical goggles. In case of eye contact, flush with plenty of water for at least 15 minutes. If irritation develops, call a physician.

**Protective Clothing:** Wear appropriate protective clothing and chemically resistant gloves to prevent skin contact. Impervious gloves.

**Exposure Guidelines:** No Data.

**Specific Engineering Controls (such as ventilation, enclosed process):** Provide exhaust ventilation or other engineered controls to keep airborne concentrations of vapors in control. Ensure that eyewash stations and safety showers are available.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Form:</b> No Data.	<b>Freezing Point:</b> No Data.°C/No Data.°F	<b>% Volatile by Weight:</b> No Data.%
<b>Color:</b> Clear, straw-colored liquid	<b>Vapor Density [air =1]:</b> No Data.	<b>Evaporation Rate:</b> No Data.
<b>Odor:</b> mild aromatic	<b>Vapor Pressure:</b> No Data.	<b>Specific Gravity:</b> H2O=1 @25 ° C:0.88(+/-0.03)
<b>Boiling Point:</b> 315°C/No Data.°F	<b>Solubility in Water:</b> Insoluble	<b>pH (concentrate):</b> No Data.

## SECTION 10 – STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**Incompatibilities:** Reactive with oxidizing agents, acids, alkalis

**Reactive Conditions to avoid:** Strong oxidizers, heat, sources of ignition

**Decomposition Products:** By fire or thermal decomposition: CO, CO<sub>2</sub>, oxides of nitrogen, traces of hydrogen cyanide (HCN), 2,6-diisopropylphenyl isocyanate (DIPPI), aniline derivatives, and carbamates may be produced. At temperatures above 350° F (180 °C) the aromatic urea formed from the carbodiimide-water reaction thermally degrades to the corresponding isocyanate and amine.

## 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.	No Data.	No Data.	No Data.	No Data.

## SECTION 12 – ECOLOGICAL INFORMATION

<b>Hazardous Ingredients</b>	<b>Aquatic Toxicity Data</b>
	Respiratory protection is not required for the use of this product. Wear appropriate respirator when ventilation is inadequate.
	ENVIRONMENTAL FATE: This material is not expected to be readily biodegradable.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal:** Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

## SECTION 14 – TRANSPORTATION INFORMATION

**Special Shipping Information:** The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

<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 AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49CFR	No Data.	No Data.	No Data.
<b>IMO</b> (Water)	NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORTATION UNDER THE IMDG CODE	No Data.	No Data.	No Data.
<b>ICAO</b> (Air)	No Data.	No Data.	No Data.	No Data.

## 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)	EPCRA 311/312 categories 1-5: NO
<b>OSHA:</b> (Occupational Safety & Health Administration)	No Data.
<b>TSCA:</b> (Toxic Substance Control Act)	No Data.
<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.....: 1 Fire Hazard.....: 1 Reactivity.....: 0 Specific Hazard.....: 0 Personal Protection..: x (Sec.11 )

## SECTION 16 – OTHER INFORMATION

Precautions to be taken in Handling and Storing: Do not weld, heat or drill container. Residue may ignite with explosive violence if heated sufficiently.  
CAUTION! Do not use pressure to empty drum or explosion may result. Additional Information: Read and observe all label precautions.  
AUSTRALIA: All the components of this material are listed on the Australian Inventory of Chemical Substances (AICS).  
CANADA: All the components of this material are on the Canadian DSL or have been notified under the New Substance Notification Regulations, but have not yet been published in the Canada Gazette.  
EUROPENA UNION: All the components of this material are in compliance with the EU Seventh Amendment Directive 92/32/EEC.  
JAPAN: All the components of this product are on the Existing & new Chemical Substances (ENCS) inventory in Japan, or have an exemption from listing.  
KOREA: All the components of this product are on the Existing Chemicals List (ECL) in Korea.  
PHILIPPINES: All the components of this product are listed on the Philippine Inventory of Chemicals and Chemical Substances (PICCS).  
UNITED STATES: All of the components of this material are on the Toxic Substances Control Act (TSCA) Chemical Inventory.

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.