



MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<u>Company Name</u> Nu-Calgon Wholesaler, Inc.	<u>Phone Number</u> (314) 469-7000 / (800) 554-5499		<u>CHEMTREC</u> (800) 424-9300	
<u>Street Address</u> 2008 Altom Court	<u>City</u> St. Louis	<u>State</u> MO	<u>Postal Code</u> 63146-4151	<u>Last Update</u> 1/31/13
<u>Product Name</u> Aerosol Spray Adhesive	<u>Product Number</u> 4080	<u>Product Use</u> Adhesive		<u>EPA Registration #</u> N/A

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	% By Wt.	CAS Number	TLV	PEL
Cyclohexane	20 - 30	110-82-7	300 ppm	300 ppm
Acetone	20 - 30	67-64-1	750 ppm	1000 ppm
Isobutane	15 - 25	75-28-5	800 ppm	800 ppm
Propane	15 - 25	74-98-6	1000 ppm	1000 ppm

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview: DANGER: Extremely flammable. May be harmful or fatal if swallowed. Ensure adequate ventilation. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 122°F (50°C). Keep away from open flames, hot surfaces and sources of ignition. KEEP OUT OF REACH OF CHILDREN

Potential Health Effects

Eyes: Irritating to eyes.

Skin: Irritating to skin. Prolonged skin contact may defat the skin and produce dermatitis.

Ingestion: Aspiration may cause pulmonary oedema and pneumonitis. May be harmful or fatal if swallowed.

Inhalation: Inhalation of high vapour concentrations may cause nasal & respiratory irritation and symptoms like headache, dizziness, tiredness, nausea, vomiting and possible unconsciousness.

Chronic Exposure: Inhalation of vapours in high concentration may cause irritation of respiratory system.

Carcinogenicity: None Know

Medical Conditions Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions

SECTION 4 – FIRST AID MEASURES

Eyes: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists, consult a specialist

Skin: Wash off with soap and water

Ingestion: DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Clean mouth with water and afterwards drink plenty of water. Call a physician or Poison Control Centre immediately

Inhalation: Move to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth. Obtain medical attention.

SECTION 5 – FIREFIGHTING MEASURES

Flash Point: N/A°F

Autoignition Temp: N/A°C/N/A°F

Hazardous Products of Combustion: Carbon oxides

Flammable Limits in Air: N/E

Extinguishing Media: Carbon dioxide (CO2). Foamy spray. Dry chemical. Water spray.

Fire and Explosion Hazards: Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 122°F (50°C)

Special Firefighting Procedures: Water mist may be used to cool closed containers. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill or Leak: Ensure adequate ventilation. Use personal protective equipment. Do not flush into surface water or sanitary sewer system. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Dispose of in accordance with local regulations.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment: Ensure adequate ventilation, especially in confined areas. Avoid contact with skin and eyes. Do not pierce or burn, even after use. Do not spray on naked flame or any incandescent material.

Storage Requirements: KEEP OUT OF REACH OF CHILDREN. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 122°F (50°C).

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

Eye Protection: Safety glasses with side-shields

Protective Clothing: Neoprene gloves

Exposure Guidelines: See section 2

Specific Engineering Controls (such as ventilation, enclosed process): Ensure adequate ventilation, especially in confined areas

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Aerosol	Freezing Point: N/E°C/N/E°F	% Volatile by Weight: 65%
Color: Off-white	Vapor Density [air =1]: Not Determined	Evaporation Rate: Not Established
Odor: Acetone	Vapor Pressure: PSIG @ 70°F (Aerosols): Max. 60.	Specific Gravity: 0.814
Boiling Point: N/E°C/N/E°F	Solubility in Water: Insoluble.	pH (concentrate): N/A

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions

Hazardous Polymerization: Hazardous polymerization does not occur

Incompatibilities: Strong oxidizing agents

Reactive Conditions to avoid: Heat, flames and sparks. Avoid temperatures above 122°F (50°C)

Decomposition Products: Carbon oxides

SECTION 11 – TOXICOLOGICAL INFORMATION

Hazardous Ingredients	CAS #	EINECS #	LD 50 of Ingredient (Specify Species)	LC50 of Ingredient (Specify Species)
Cyclohexane	110-82-7	N/D	Oral LD50 Rat: 12705 mg/kg	N/A
Acetone	67-64-1	N/D	Oral LD50 Rat: 5800 mg/kg	Inhalation LC50 Mouse: 44 g/m3/4H;
Isobutane	75-28-5	N/D	N/A	Inhalation LC50 Rat: 57 pph/15M
Propane	74-98-6	N/D	N/A	N/A

SECTION 12 – ECOLOGICAL INFORMATION

<u>Hazardous Ingredients</u>	<u>Aquatic Toxicity Data</u>
Cyclohexane	96 Hr LC50 fathead minnow: 4.53 mg/L (flowthrough); 96 Hr LC50 bluegill: 34.72 mg/L;96 Hr LC50 guppy: 48.0 mg/L
Acetone	96 Hr LC50 rainbow trout: 5540 mg/L (static);96 Hr LC50 fathead minnow: 6210 mg/L (flow-through);96 Hr LC50 bluegill: 8300 mg/L (static)
Isobutane	N/A
Propane	N/A

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: Should not be released into the environment. Dispose of in accordance with local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

Special Shipping Information:

<u>Purview</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT (Land)	Consumer Commodity ORM-D	No Data.	No Data.	No Data.
IMO (Water)	No Data.	No Data.	No Data.	No Data.
ICAO (Air)	Aerosol, Flammable,	UN1950	N/A	2.1

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification: (Workplace Hazardous Material Information System)	A, B1, B2, D2B
SARA Title III: (Superfund Amendments & Reauthorization Act)	Yes - Cyclohexane
OSHA: (Occupational Safety & Health Administration)	See section 2
TSCA: (Toxic Substance Control Act)	Present
VOC: (volatile Organic Compounds)	65%
CPR: (Canadian Controlled Products Regulations)	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations.
EINECS: (European Inventory of Existing Commercial Chemical Substances)	N/E
DSL / NDSL: (Canadian Domestic Substance List)(Non-Domestic Substance List)	Present
CERCLA: (Comprehensive Response Compensation & Liability Act)	Cyclohexane - 1000 lb. RQ; Acetone - 5000 lb. RQ
IDL: (Canadian Ingredient Disclosure List)	N/E
NFPA (HMIS) Rating: (Hazardous Materials Identification System)	Health=2; Fire=3; Reactivity=0 Personal protective equipment = B

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.