



MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Name Nu-Calgon Wholesaler, Inc.		Phone Number (314) 469-7000 / (800) 554-5499		CHEMTREC (800) 424-9300	
Street Address 2008 Altom Court		City St. Louis	State MO	Postal Code 63146-4151	
Product Name Aerosol Electrical Contact Cleaner		Product Number 4082	Product Use Electrical Cleaner		EPA Registration # 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>
Heptane	60 - 70	142-82-5	400 ppm	500 ppm
Isohexane	5 - 15	107-83-5	500 ppm	500 ppm
Isopropyl Alcohol	5 - 15	67-63-0	400 ppm	400 ppm
3-Methylpentane	< 5.0	96-14-0	500 ppm	500 ppm
2,3-Dimethylbutane	< 5.0	79-29-8	500 ppm	500 ppm
Neohexane	< 5.0	75-83-2	500 ppm	500 ppm
Carbon dioxide	< 5.0	124-38-9	500 ppm	500 ppm

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview: DANGER: Extremely flammable. Ensure adequate ventilation. Harmful or fatal if swallowed. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 122°F (50°C). KEEP OUT OF REACH OF CHILDREN
Potential Health Effects
Eyes: May cause slight irritation.
Skin: Substance may cause slight skin irritation. Prolonged skin contact may defat the skin and produce dermatitis.
Ingestion: Ingestion may cause irritation to mucous membranes. Aspiration may cause chemical pneumonitis if aspirated into lungs.
Inhalation: Inhalation of high vapour concentrations may cause nasal & respiratory irritation and symptoms like headache, dizziness, tiredness, nausea, vomiting and possible unconsciousness.
Chronic Exposure: Repeated and prolonged exposure to solvents may cause brain and nervous system damage.
Carcinogenicity: None known
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. If skin irritation persists, call a physician
Ingestion: DO NOT INDUCE VOMITING. 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: Foamy spray. Dry chemical. Carbon dioxide (CO₂).

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: Prevent product from entering drains. Should not be released into the environment.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment: Wear personal protective equipment. 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: 96.3%
Color: colourless	Vapor Density [air =1]: Not Established.	Evaporation Rate: Not Established.
Odor: Solvent	Vapor Pressure: N/A	Specific Gravity: 0.70
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: Keep away from open flames, hot surfaces and sources of ignition

Decomposition Products: Carbon oxides

SECTION 11 – TOXICOLOGICAL INFORMATION

<u>Hazardous Ingredients</u>	<u>CAS #</u>	<u>EINECS #</u>	<u>LD 50 of Ingredient</u> (Specify Species)	<u>LC50 of Ingredient</u> (Specify Species)
Heptane	142-82-5	N/E	N/E	Inhalation LC50 Rat: 103 g/m3/4H
Isohexane	107-83-5	N/E	N/E	N/E
Isopropyl Alcohol	67-63-0	N/E	Oral LD50 Rat: 5045 mg/kg; Dermal LD50 Rabbit: 12800 mg/kg	N/E
3-Methylpentane	96-14-0	N/E	N/E	N/E
2,3-Dimethylbutane	79-29-8	N/E	N/E	N/E
Neohexane	75-83-2	N/E	N/E	N/E
Carbon dioxide	124-38-9	N/E	N/E	N/E

SECTION 12 – ECOLOGICAL INFORMATION

<u>Hazardous Ingredients</u>	<u>Aquatic Toxicity Data</u>
Heptane	24 Hr LC50 goldfish: 4.0 mg/L; 24 Hr LC50 mosquito fish: 4900 mg/L; 96 Hr LC50 cichlid fish: 375.0 mg/L
Isohexane	N/E
Isopropyl Alcohol	96 Hr LC50 fathead minnow (29 days old):94900 mg/L (flow-through);96 Hr LC50 fathead minnow (31 days old):61200 mg/L (flow-through)
3-Methylpentane	N/E
2,3-Dimethylbutane	N/E
Neohexane	N/E

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: No Data.

<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, 2.1	UN1950	N/A	2.1

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification: (Workplace Hazardous Material Information System)	B2, D2B
SARA Title III: (Superfund Amendments & Reauthorization Act)	No
OSHA: (Occupational Safety & Health Administration)	See section 2
TSCA: (Toxic Substance Control Act)	Yes
VOC: (volatile Organic Compounds)	96.3%
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)	Yes
CERCLA: (Comprehensive Response Compensation & Liability Act)	No
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.