



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 | Last Update 11/09/2006 |
| Product Name Aerosol Calclean | Product Number 4081-75 | Product Use Detergent Coil Cleaner | | EPA Registration # N/A |

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredients | % By Wt. | CAS Number | TLV | PEL |
|------------------------------|-----------------|-------------------|------------|------------|
| Isobutane | < 5.0 | 75-28-5 | 800 ppm | 800 ppm |
| Propane | < 5.0 | 74-98-6 | 1000 ppm | 1000 ppm |
| | | | | |

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview: CAUTION: Avoid breathing vapors or mists. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 122°F (50°C). Do not pierce or burn, even after use. Do not spray on naked flame or any incandescent material. KEEP OUT OF REACH OF CHILDREN

Potential Health Effects

Eyes: Irritating to eyes.

Skin: Substance may cause slight skin irritation.

Ingestion: Aspiration may cause pulmonary oedema and pneumonitis. Nausea.

Inhalation: Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

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

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. Never give anything by mouth to an unconscious person

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: No Data.°F

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

Hazardous Products of Combustion: Carbon oxides

Flammable Limits in Air: No Data.

Extinguishing Media: Dry chemical. Foamy spray. 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: Cool containers / tanks with water spray. 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. 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. Wash hands before breaks and at the end of workday. 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. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers.

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: Safety glasses with side-shields. Latex 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

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|---|---|-----------------------------------|
| Physical Form: Aerosol. | Freezing Point: No Data. °C/No Data. °F | % Volatile by Weight: 5.0% |
| Color: White | Vapor Density [air =1]: No Data. | Evaporation Rate: No Data. |
| Odor: Lemon | Vapor Pressure: PSIG @ 70°F (Aerosols): Max. 60. | Specific Gravity: 1.08 |
| Boiling Point: No Data. °C/No Data. °F | Solubility in Water: Soluble. | pH (concentrate): No Data. |

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: Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 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) |
|------------------------------|--------------|-----------------|--|---|
| Isobutane | 75-28-5 | No Data. | No Data. | Inhalation LC50 Rat: 57 pph/15M |
| Propane | 74-98-6 | No Data. | No Data. | No Data. |
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| | | | | |
| | | | | |

SECTION 12 – ECOLOGICAL INFORMATION

| Hazardous Ingredients | Aquatic Toxicity Data |
|------------------------------|------------------------------|
| Isobutane | No Data. |
| Propane | No Data. |
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SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: Do not flush into surface water or sanitary sewer system. 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) | Aerosols, Non-Flammable | UN1950 | No Data. | 2.2 |

SECTION 15 – REGULATORY INFORMATION

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|--|---|
| WHMIS Classification: (Workplace Hazardous Material Information System) | A, B1 |
| SARA Title III: (Superfund Amendments & Reauthorization Act) | No |
| OSHA: (Occupational Safety & Health Administration) | Yes |
| TSCA: (Toxic Substance Control Act) | Present |
| VOC: (volatile Organic Compounds) | 5.0% |
| 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) | No Data. |
| DSL / NDSL: (Canadian Domestic Substance List)(Non-Domestic Substance List) | Present |
| CERCLA: (Comprehensive Response Compensation & Liability Act) | No |
| IDL: (Canadian Ingredient Disclosure List) | No Data. |
| NFPA (HMIS) Rating: (Hazardous Materials Identification System) | Health=1; Fire=1; 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.