



# MATERIAL SAFETY DATA SHEET

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|                                                    |                                                        |                                 |                                   |                                  |
|----------------------------------------------------|--------------------------------------------------------|---------------------------------|-----------------------------------|----------------------------------|
| <u>Company Name</u><br>Nu-Calgon Wholesaler, Inc.  | <u>Phone Number</u><br>(314) 469-7000 / (800) 554-5499 |                                 | <u>CHEMTREC</u><br>(800) 424-9300 |                                  |
| <u>Street Address</u><br>2008 Altom Court          | <u>City</u><br>St. Louis                               | <u>State</u><br>MO              | <u>Postal Code</u><br>63146-4151  | <u>Last Update</u><br>28/1/10    |
| <u>Product Name</u><br>Aerosol Food Grade Silicone | <u>Product Number</u><br>4084-03                       | <u>Product Use</u><br>Lubricant |                                   | <u>EPA Registration #</u><br>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> |
|------------------------------|-----------------|-------------------|------------|------------|
| Acetone                      | 35 - 45         | 67-64-1           | 750 ppm    | 1000 ppm   |
| Heptane                      | 25 - 35         | 142-82-5          | 400 ppm    | 500 ppm    |
| Propane                      | 10 - 20         | 74-98-6           | 1000 ppm   | 1000 ppm   |
| Isobutane                    | 10 - 20         | 75-28-5           | 800 ppm    | 800 ppm    |

## SECTION 3 – HAZARD IDENTIFICATION

**Emergency Overview:** DANGER: Harmful or fatal if swallowed. Extremely flammable. Keep away from open flames, hot surfaces and sources of ignition. 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:** Irritant

**Skin:** Substance may cause slight skin irritation.

**Ingestion:** Possible chemical pneumonitis if aspirated into lungs. Nausea.

**Inhalation:** Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.

**Chronic Exposure:** Prolonged exposure may cause chronic effects such as central nervous system effects.

**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/A

**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. 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:** 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 Remove all sources of ignition

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

|                                   |                                                 |                                            |
|-----------------------------------|-------------------------------------------------|--------------------------------------------|
| <b>Physical Form:</b> Aerosol     | <b>Freezing Point:</b> N/A°C/N/A°F              | <b>% Volatile by Weight:</b> 59.2%         |
| <b>Color:</b> Clear               | <b>Vapor Density [air =1]:</b> Not Established. | <b>Evaporation Rate:</b> >1.0 ( water = 1) |
| <b>Odor:</b> Solvent              | <b>Vapor Pressure:</b> Not Established.         | <b>Specific Gravity:</b> 0.751             |
| <b>Boiling Point:</b> N/A°C/N/A°F | <b>Solubility in Water:</b> Partly soluble.     | <b>pH (concentrate):</b> 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. Extremes of temperature and direct sunlight. Do not expose to temperatures above 54°C .

**Decomposition Products:** Carbon oxides

## SECTION 11 – TOXICOLOGICAL INFORMATION

| <u>Hazardous Ingredients</u> | <u>CAS #</u> | <u>EINECS #</u> | <u>LD 50 of Ingredient</u><br>(Specify Species) | <u>LC50 of Ingredient</u><br>(Specify Species) |
|------------------------------|--------------|-----------------|-------------------------------------------------|------------------------------------------------|
| Acetone                      | 67-64-1      | N/D             | Oral LD50 Rat: 5800 mg/kg                       | Inhalation LC50 Mouse: 44 g/m3/4H;             |
| Heptane                      | 142-82-5     | N/D             | N/A                                             | Inhalation LC50 Rat: 103 g/m3/4H               |
| Propane                      | 74-98-6      | N/D             | N/A                                             | N/A                                            |
| Isobutane                    | 75-28-5      | N/D             | N/A                                             | Inhalation LC50 Rat: 57 pph/15M                |

## SECTION 12 – ECOLOGICAL INFORMATION

| <u>Hazardous Ingredients</u> | <u>Aquatic Toxicity Data</u>                                                                                                              |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 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) |
| 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                                   |
| Propane                      | N/A                                                                                                                                       |
| Isobutane                    | 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:** 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><br>(Land)  | Consumer Commodity ORM-D    | No Data.         | No Data.             | No Data.            |
| <b>IMO</b><br>(Water) | No Data.                    | No Data.         | No Data.             | No Data.            |
| <b>ICAO</b><br>(Air)  | Aerosol, Flammable,         | UN1950           | No Data.             | 2.1                 |

## SECTION 15 – REGULATORY INFORMATION

|                                                                                    |                                                                                                                 |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>WHMIS Classification:</b> (Workplace Hazardous Material Information System)     | A, B1, B2, D2B                                                                                                  |
| <b>SARA Title III:</b> (Superfund Amendments & Reauthorization Act)                | No                                                                                                              |
| <b>OSHA:</b> (Occupational Safety & Health Administration)                         | See section 2                                                                                                   |
| <b>TSCA:</b> (Toxic Substance Control Act)                                         | Present                                                                                                         |
| <b>VOC:</b> (volatile Organic Compounds)                                           | 59.2%                                                                                                           |
| <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) | Present                                                                                                         |
| <b>CERCLA:</b> (Comprehensive Response Compensation & Liability Act)               | Acetone - 5000 lb RQ                                                                                            |
| <b>IDL:</b> (Canadian Ingredient Disclosure List)                                  | No Data.                                                                                                        |
| <b>NFPA (HMIS) Rating:</b> (Hazardous Materials Identification System)             | Health=2; Fire=3; Reactivity=0<br>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.