



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> 5/5/13
<u>Product Name</u> Aerosol, Zinc Rich Cold Galvanizing Compound	<u>Product Number</u> 4087	<u>Product Use</u> Aerosol Zinc Coating		<u>EPA Registration #</u> N/A

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	% By Wt.	CAS Number	TLV	PEL
Propane	13	74-98-6	2500 ppm	1000 ppm
Butane	12	106-97-8	800 ppm	800 ppm
V. M. & P. Naphtha	8	64742-89-8	300 ppm	300 ppm 400 ppm STEL
Toluene	4	108-88-3	50 ppm (Skin)	100 ppm (Skin) 150 ppm (Skin) STEL
Methyl Ethyl Ketone	11	78-93-3	200 ppm 300 ppm STEL	200 ppm 300 ppm STEL
Zinc	48	7440-66-6	N/A	N/A

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview: ROUTES OF EXPOSURE: INHALATION of vapor or spray mist. EYE or SKIN contact with the product, vapor or spray mist. SIGNS AND SYMPTOMS OF OVEREXPOSURE: Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

Potential Health Effects

Eyes: Irritation.

Skin: Prolonged or repeated exposure may cause irritation.

Ingestion: No Data.

Inhalation: Irritation of the upper respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

Chronic Exposure: No ingredient in this product is an IARC, NTP or OSHA listed carcinogen. Methyl Ethyl Ketone may increase the nervous system effects of other solvents. Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, cardiovascular and reproductive systems. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Carcinogenicity: No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

Medical Conditions Aggravated by Exposure: None generally recognized.

SECTION 4 – FIRST AID MEASURES

Eyes: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

Skin: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

Ingestion: Do not induce vomiting. Get medical attention immediately.

Inhalation: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

SECTION 5 – FIREFIGHTING MEASURES

Flash Point: Propellant < 0 F = LEL 0.9 UEL 10.0

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

Hazardous Products of Combustion: No Data.

Flammable Limits in Air: No Data.

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam

Fire and Explosion Hazards: Containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Special Firefighting Procedures: Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill or Leak: Remove all sources of ignition. Ventilate the area. Remove with inert absorbent.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment: During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition. Consult NFPA Code. Use approved Bonding and Grounding procedures.

Storage Requirements: Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively. Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Eye Protection: Wear safety spectacles with unperforated sideshields.

Protective Clothing: None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

Exposure Guidelines: This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m³ (total dust), 3 mg/m³ (respirable fraction), OSHA PEL 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction).

Specific Engineering Controls (such as ventilation, enclosed process): Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using. Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Aerosol	Freezing Point: No Data. °C/No Data. °F	% Volatile by Weight: 88%
Color: No Data.	Vapor Density [air =1]: Heavier than air	Evaporation Rate: Faster than ether
Odor: No Data.	Vapor Pressure: No Data.	Specific Gravity: 1.16
Boiling Point: <-18 - 162°C/<0 - 325°F	Solubility in Water: No Data.	pH (concentrate): 7.0

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibilities: None known.

Reactive Conditions to avoid: None known.

Decomposition Products: By fire: Carbon Dioxide, Carbon Monoxide

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)
Propane	74-98-6		N/A	N/A
Butane	106-97-8		N/A	N/A
V. M. & P. Naphtha	64742-89-8		N/A	N/A
Toluene	108-88-3		LD50 RAT 5000 mg/kg	LC50 RAT 4HR 4000 ppm
Methyl Ethyl Ketone	78-93-3		LD50 RAT 2740 mg/kg	LC50 RAT 4HR Not Available
Zinc	7440-66-6		N/A	N/A

SECTION 12 – ECOLOGICAL INFORMATION

<u>Hazardous Ingredients</u>	<u>Aquatic Toxicity Data</u>
No data available.	

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

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)	Customer Commodity	None	None	ORM-D
IMO (Water)	No Data			
ICAO (Air)	No Data			

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification: (Workplace Hazardous Material Information System)	No Data.			
SARA Title III: (Superfund Amendments & Reauthorization Act)	CAS No. 108-88-3	CHEMICAL/COMPOUND Toluene Zinc	% by WT 4	% Element 46
OSHA: (Occupational Safety & Health Administration)	No Data.			
TSCA: (Toxic Substance Control Act)	All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.			
VOC: (volatile Organic Compounds)	Volatile Weight 48.52% Less Water and Federally Exempt Solvents			
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)	No Data.			
CERCLA: (Comprehensive Response Compensation & Liability Act)	No Data.			
IDL: (Canadian Ingredient Disclosure List)	No Data.			
NFPA (HMIS) Rating: (Hazardous Materials Identification System)	Health Hazard.....: 1 Fire Hazard.....: 2 Reactivity.....: 0 Personal Protection...: X			

SECTION 16 – OTHER INFORMATION

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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.