



SECTION 1 - Product Information

Product Identifier: Zynolyte Super Metal Coatings
Z160 Chrome
Z165 Copper

Z170 Gold
Z175 Brass

Product Use: Decorative Coating

Manufacturer's Name: Aervoe Industries Inc.

Address: 1100 Mark Circle, Gardnerville, NV 89410

Emergency Phone: 1-800-424-9300

Preparation Date: February 15, 2011

SECTION 2 - Hazardous Ingredients

Hazardous Ingredients	Weight %	CAS Number	LD ₅₀ of Ingredient (species & route)	LC ₅₀ of Ingredient (species)
Propane	10 - 30	74-98-6	N / AV	N / AV
Xylene	7 - 13	1330-20-7	4300 mg / kg (Rat-Oral)	6700 ppm / 4 hr (Rat)
n-Butane	7 - 13	106-97-8	N / AV	N / AV
Isobutane	3 - 7	75-28-5	N / AV	57 pph / 15 min (Rat)
Z160 also Contains:				
Hexane	20 - 30	110-54-3	2870 mg / kg (Rat-Oral)	N / AV
p-Chlorobenzotrifluoride	5 - 15	98-56-6	11500 mg / kg (Mouse-Oral)	20 g / m ³ (Mouse)
Z165, Z170 & Z175 also Contains:				
Cyclohexane	15 - 25	110-82-7	> 5 g / kg (Rat-Oral)	N / AV
Acetone	7 - 13	67-64-1	5800 mg / kg (Rat-Oral)	21000 ppm / 8 hr (Rat)

SECTION 3 - Physical Data

Physical State: Aerosol

Specific Gravity: 0.8

Evaporation Rate: Faster than n-Butyl Acetate

Boiling Point: N / AP

Freezing Point: N / AV

pH: N / AP

Vapor Density (air = 1): Heavier than air

Vapor Pressure (psig):

Odor and Appearance: Opaque with a hydrocarbon odor

Odor Threshold (ppm): N / AV

Coefficient of Water/Oil Distribution: N / AV

SECTION 4 - Fire and Explosion Data

Flammability: Yes - Flammable aerosol under conditions of sparks, flame, or excessive heat.

Means of Extinction: *Extinguishing Media* - Carbon dioxide, foam, dry chemical. *Firefighting Procedures* - Treat as cylinders of compressed gas. Closed containers may rupture due to pressure build up from extreme temperature. Use water spray to cool containers to prevent pressure build up. Self-contained breathing apparatus should be used if product is involved in fire.

Flashpoint: < 0° F (-18° C)

Method Used: Estimated

Flammable Limits - LFL: 0.7%

UFL: 13.0%

Autoignition Temperature: N / AV

Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide.

Explosion Data - Sensitivity to Mechanical Impact: No

Explosion Data - Sensitivity to Static Discharge: No

NOTE: N / AP = Not Applicable N / AV = Not Available

SECTION 5 - Reactivity Data

Chemical Stability: Stable

Incompatibility with Other Substances: Strong oxidizing agents.

Reactivity & Conditions: None

Hazardous Decomposition Products: None

SECTION 6 - Toxicological Properties

Primary Routes of Entry: Skin Contact, Eye Contact, Inhalation

Effects of Acute Exposure to Product:

Skin Contact - Irritation.

Eye Contact - Irritation.

Inhalation - Irritation. May cause dizziness, light-headedness and / or headaches.

Effects of Chronic Exposure to Product: Dermatitis.

Exposure Limits (TLV):

Propane 2500 ppm TWA - ACGIH 2005

Xylene 100 ppm TWA and 150 ppm STEL - ACGIH 2005

n-Butane 800 ppm TWA - ACGIH 2005

Isobutane N / AV - ACGIH 2005

Hexane 50 ppm TWA (Skin) - ACGIH 2005

p-Chlorobenzotrifluoride N / AV - ACGIH 2003

Cyclohexane 300 ppm TWA - ACGIH 2005

Acetone 500 ppm TWA and 750 ppm STEL - ACGIH 2005

Irritancy: Skin, eyes, and respiratory tract.

Sensitization: N / AV

Carcinogenicity: The ingredients are not listed as a human carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive Toxicity: N / AV

Teratogenicity: N / AV

Mutagenicity: N / AV

Synergistic Products: N / AV

SECTION 7 - Preventive Measures

Personal Protective Equipment (PPE): Gloves - Yes Respirator - Yes Eye - Yes Footwear - No Clothing - No Other - No

Skin Protection - Chemical resistant gloves such as Neoprene or Nitrile rubber.

Respiratory Protection - In areas with poor ventilation, use a NIOSH approved Organic Vapor Cartridge Respirator.

For concentrations above the TLV (as defined in Section 6), use a positive air supplied respirator.

Eye Protection - Safety glasses or goggles.

Engineering Controls: General ventilation to maintain exposure limits below TLV's as defined in Section 6.

Leak and Spill Procedure: Remove all sources of ignition. Ventilate area. Prevent from entering a watercourse. Use an inert absorbent material and non-sparking type tools.

Waste Disposal: Dispose of in accordance with local, state/provincial or territorial, and federal regulations. Do not incinerate closed containers.

Handling Procedures and Equipment: Do not use near heat, sparks, or open flame. Use PPE as defined in Section 7.

Storage Requirements: Do not store near heat, sparks, flame or above 120° F (49° C).

Special Shipping Information: Consumer Commodity ORM-D.

SECTION 8 - First Aid Measures

Inhalation: Remove from exposure, seek medical attention if signs/symptoms persist.

Ingestion: Do NOT induce vomiting, drink plenty of water, seek medical attention.

Skin Contact: Wash affected area with soap and water, remove contaminated clothing, seek medical attention if irritation persists.

Eye Contact: Flush immediately with water for 15 minutes, seek medical attention if irritation persists.

SECTION 9 - Preparation Information

Prepared by: Technical Department

Telephone Number: 775-783-3100

Preparation Date: 2-15-2011

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