

# MATERIAL SAFETY DATA SHEET

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## ZYNOLYTE APPLIANCE ENAMEL

Zynolyte is a registered trademark of the Glidden Company

This MSDS covers the products listed below

### SECTION I - MANUFACTURER IDENTIFICATION



Manufacturer: Aervoe Industries, Inc.

Emergency Telephone No (Chemtrec): 1-800-424-9300

Address: 1198 Mark Circle, Gardnerville, NV 89410 Information Telephone No: (775) 782-0100

### SECTION II: HAZARDOUS INGREDIENTS / SARA III INFORMATION / OCCUPATIONAL EXPOSURE LIMITS

Common Name		Methyl Isobutyl Ketone	Dimethyl Ether	N-Butyl Acetate	Methyl Ethyl Ketone	VM&P Naphtha	Acetone	n-Butanol	Mineral Spirits
Chemical Name		Methyl Isobutyl Ketone	Dimethyl Ether	1-Butyl Acetate	Methyl Ethyl Ketone	Solvent, Light Aliphatic Naphtha	2-Propanone	1-Butanol	Aliphatic Hydrocarbons
CAS #		108-10-1	115-10-6	123-86-4	78-93-3	64742-89-8	67-64-1	71-36-3	8052-41-3
ACGIH -TLV (TWA)		50 ppm	NA	150 ppm	200 ppm	NA	500 ppm	NA	100 ppm
OSHA -PEL (TWA)		100 ppm	NA	150 ppm	200 ppm	300 ppm	1000 ppm	100 ppm	500 ppm
SARA 313 Listed		yes	no	no	yes	no	no	yes	no
Appliance Enamel									
Code	Description	wt %	wt %	wt %	wt %	wt %	wt %	wt %	wt %
1175	White	5% - 10%	30% - 40%	1% - 5%	5% - 10%	1% - 5%	20% - 30%	1% - 5%	
1176	Almond	1% - 5%	30% - 40%	1% - 5%	1% - 5%	1% - 5%	20% - 30%	1% - 5%	1% - 5%
1177	Black	5% - 10%	30% - 40%	1% - 5%	5% - 10%	5% - 10%	20% - 30%	1% - 5%	1% - 5%

### SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY (H2O = 1): 0.7 - 0.8

PHYSICAL STATE: Aerosol

VAPOR DENSITY: Heavier than air

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: < 0° F (-17° C)

METHOD USED: ESTIMATED

FLAMMABLE LIMITS: LEL: 0.7 % UEL: 18.0 %

EXTINGUISHING MEDIA: Dry chemical or foam, water fog, carbon dioxide

FIRE FIGHTING PROCEDURES: Water may be used to cool and protect exposed containers. Fire fighters should use full protective clothing and a self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may explode when exposed to extreme heat or fire. Vapors are extremely flammable and may form explosive mixtures in air. Vapors are heavier than air and may travel long distances to a source of ignition and flash back.

FLAMMABILITY: Yes - flammable aerosol under conditions of sparks, flame or hot surfaces.

SENSITIVITY TO IMPACT: Contents under pressure, do not puncture.

### SECTION V - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Elevated temperatures, contact with oxidizing agent, sparks, open flame, ignition sources.

MATERIALS TO AVOID: Oxidizers, acids, bases, reducing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur



## SECTION VI - HEALTH HAZARD DATA

**PRIMARY ROUTES OF ENTRY:** Inhalation, skin contact, eye contact, ingestion.

### **EFFECTS OF OVEREXPOSURE (SIGNS AND SYMPTOMS):**

**INHALATION:** Prolonged inhalation may lead to loss of appetite, mucous membrane irritation, fatigue, drowsiness, dizziness, and/or light-headedness, headache, uncoordination, nausea, vomiting, difficulty with speech, apathy, central nervous system depression, intoxication, tightness of chest, metallic taste, confusion, anesthetic effect or narcosis, difficulty of breathing, blood abnormalities, bronchitis, tremors, liver damage, kidney damage, neurotoxicity, convulsions, loss of consciousness, respiratory failure, asphyxiation, death.

**SKIN CONTACT:** Irritation of skin. Prolonged or repeated contact may cause dermatitis, defatting, blistering, severe skin irritation. Skin contact with liquid dimethyl ether may cause freezing of the skin.

**EYE CONTACT:** Irritation of eyes. Prolonged or repeated contact may cause conjunctivitis, blurred vision, tearing, redness, severe irritation, corneal injury, blindness.

**INGESTION:** May cause mouth and throat irritation, mucous membrane irritation, fatigue, drowsiness, dizziness, headache, uncoordination, nausea, vomiting, diarrhea, gastro-intestinal disturbances, intoxication, difficulty breathing, liver damage, kidney damage, pulmonary edema.

**OSHA LISTED CARCINOGENS:** None

**TERATOGENICITY:** No teratogenic effects are anticipated

**MUTAGENICITY:** No mutagenic effects are anticipated

**TOXICOLOGICALLY SYNERGISTIC PRODUCT:** N/A

**MEDICAL CONDITION GENERALLY AGGRAVATED BY EXPOSURE:** Eye, skin, respiratory disorders, kidney disorders, liver disorders, cardiac abnormalities, nervous system disorders.

### **EMERGENCY AND FIRST AID PROCEDURES:**

**INHALATION:** If affected, remove to fresh air. If signs or symptoms persist, seek medical attention.

**SKIN CONTACT:** Wash affected area, remove contaminated clothing. If signs or symptoms persist, seek medical attention.

**EYE CONTACT:** Flush immediately with water for at least 15 minutes. If signs or symptoms persist, seek medical attention.

**INGESTION:** If swallowed, seek medical attention.

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Remove all sources of ignition. Ventilate area. Prevent from entering a watercourse. Use an inert absorbent and non-sparking type tools.

**WASTE DISPOSAL METHOD:** Dispose of in accordance with local, state/provincial or territorial, and federal regulations. Do not incinerate closed containers.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Do not store above 120° F (49° C). Do not store or use near heat, sparks or flame.

**OTHER PRECAUTIONS:** Do not get in eyes. Do not breathe vapors. Avoid skin contact. Do not take internally. Smoking while using this product must be strictly prohibited. In addition to all other hazards and precautions - dust from sanding the dry paint films should be treated as a nuisance dust with a **OSHA PEL (TWA) of 15 mg/cubic meter**.

## SECTION VIII - CONTROL MEASURES

**RESPIRATORY PROTECTION:** In areas with poor ventilation, use a NIOSH approved Organic Vapor Cartridge Respirator. For concentrations above the TLV (as defined in Section II), use a positive air supplied respirator.

**VENTILATION:** General ventilation to maintain exposure limits below TLV's as defined in Section II.

**PROTECTIVE GLOVES:** Chemical resistant gloves such as Neoprene or Nitrile rubber.

**EYE PROTECTION:** Safety glasses with side shields, or goggles, are recommended to prevent eye contact.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Chemical resistant apron (rubber) is recommended to prevent skin contact. Eye wash fountain and safety shower.

**WORK / HYGIENIC PRACTICES:** Avoid prolonged or repeated contact. Do not breathe vapors. Wash contaminated clothing prior to reuse.

## SECTION IX - DISCLAIMER

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE SO.

NOTHING CONTAINED HEREIN CONSTITUTES A SPECIFICATION NOR IS IT INTENDED TO WARRANT SUITABILITY FOR THE INTENDED USE.