



# Material Safety Data Sheet



TO: MSDS USERS

Please find below the material safety data sheet as per your request.

The information presented in these forms is believed to be correct and sufficient to meet the requirements of OSHA Hazard Communication standard (29 CFR 1910.1200) concerning worker's right to know. In order for the information contained in the MSDS to be most helpful we recommend that these forms be made available to all those who handle or may otherwise be exposed to the product.

The following material safety data sheet covers the hazardous ingredients associated with more than one color aerosol product. As per 29 CFR 1900.1200 paragraph (g); whenever the hazards associated with similar mixtures are the same, then one MSDS may be prepared to cover several products.

This MSDS covers the following Aervoe aerosol products.

**Zynolyte Appliance Enamel**

Z1175 White

Z1176 Almond

**SECTION I - MANUFACTURER IDENTIFICATION**

**MANUFACTURER'S NAME:** Aervoe Industries Inc.  
**INFORMATION PHONE:** 775-782-0100  
**DATE REVISED:** March 10, 2008

**ADDRESS:** 1198 Mark Circle, Gardnerville, NV 89410  
**EMERGENCY PHONE:** 1-800-424-9300  
**REASON REVISED:** New

**SECTION II - HAZARDOUS INGREDIENTS / SARA III INFORMATION  
 OCCUPATIONAL EXPOSURE LIMITS**

HAZARDOUS COMPONENTS	WEIGHT PERCENT	OSHA PEL	ACGIH TLV	OTHER	LD50 SPECIES & ROUTE	LC50 SPECIES & ROUTE
Dimethyl Ether (CAS 115-10-6)	30 - 40	N / AV	N / AV		N / AV	164,000 ppm / 4 hr (Rat-Inha)
Acetone (CAS 67-64-1)	20 - 30	1000 ppm	500 ppm		5800 mg / kg (Rat-Oral)	21000 ppm / 8 hr (Rat-Inha)
*Methyl Isobutyl Ketone (CAS 108-10-1)	3 - 7	100 ppm	50 ppm	75 ppm (STEL)	3.73 ml / kg (Rat-Oral)	2000 - 4000 ppm / 4 hr (Rat-Inha)
Methyl Ethyl Ketone (CAS 78-93-3)	3 - 7	200 ppm	200 ppm	300 ppm	N / AV	N / AV
*n-Butanol (CAS 71-36-3)	1 - 5	100 ppm	20 ppm		2500 mg / kg (Rat-Oral)	8000 ppm / 4 hr (Rat-Inha)
n-Butyl Acetate (CAS 123-86-4)	1 - 5	150 ppm	150 ppm	200 ppm	N / AV	N / AV
Aliphatic Petroleum Distillates (CAS 64742-89-8)	1 - 5	N / AV	300 ppm		N / AV	N / AV
<b>Z1176 also contains:</b>						
Aliphatic Hydrocarbon (CAS 8052-41-3)	1 - 5	500 ppm	100 ppm		N / AV	N / AV

\*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

**NOTE:** N/A applies to not available or not applicable

Z1175MA

**SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS**

**BOILING POINT:** N/A  
**ODOR THRESHOLD:** N/A  
**EVAPORATION RATE:** Faster than n-Butyl Acetate  
**SPECIFIC GRAVITY (H20=1):** .8  
**VAPOR DENSITY:** Heavier than air  
**APPEARANCE AND ODOR:** Opaque Liquid / Solvent Based Odor  
**COEFFICIENT OF WATER/OIL DIST:** N/A  
**SOLUBILITY IN WATER:** N/A  
**FREEZING POINT:** N/A  
**pH:** N/A

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:** < 0° F (-18° C)  
**EXTINGUISHING MEDIA:** Foam, Alcohol Foam, CO<sub>2</sub>, Dry Chemical, Water Fog  
**SPECIAL FIRE FIGHTING PROCEDURES:** Water spray may be used to cool containers exposed to heat or fire to prevent pressure build up. Self-contained breathing apparatus should be used if product is involved in fire.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Closed containers may rupture due to pressure build up from extreme heat or fire.  
**FLAMMABILITY:** Yes - Flammable aerosol under conditions of sparks, flame, or hot surfaces.  
**SENSITIVITY TO IMPACT:** Do not puncture  
**SENSITIVITY TO STATIC DISCHARGE:** Primarily vapors  
**METHOD USED:** Estimated  
**FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER:** 0.7%  
**UPPER:** 18.0%

**SECTION V - REACTIVITY DATA**

**STABILITY:** Stable  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidizing agents  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Carbon Monoxide and Carbon Dioxide  
**HAZARDOUS POLYMERIZATION:** Will not occur  
**CONDITIONS TO AVOID:** High temperatures

**SECTION VI - HEALTH HAZARD DATA**

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** May cause dizziness or nausea.  
**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** SKIN - May cause irritation or burning sensation.  
**EYES -** Primary irritation.  
**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** May cause irritation or burning sensation.  
**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** N/A  
**HEALTH HAZARDS (ACUTE AND CHRONIC):** INHALATION - Anesthetic. Irritation of the respiratory tract, or nervous system depression (characterized by headache, dizziness, nausea or possible unconsciousness). SKIN OR EYE CONTACT - Primary irritation. Prolonged or repeated contact to skin may cause dermatitis - exercise due care.  
**CARCINOGENICITY:** None known  
**NTP? No**  
**TERATOGENICITY:** N/A  
**MUTAGENICITY:** N/A  
**IARC MONOGRAPHS? No**  
**TOXICOLOGICALLY SYNERGISTIC PRODUCT:** N/A  
**MEDICAL CONDITION GENERALLY AGGRAVATED BY EXPOSURE:** None known  
**EMERGENCY AND FIRST AID PROCEDURES:** INHALATION - Remove from exposure and restore breathing, seek medical attention.  
**SPLASH - (SKIN)** Wash affected area with soap and water, remove contaminated clothing, seek medical attention if any irritation persists.  
**SPLASH - (EYES)** Flush immediately with water for 15 minutes, seek medical attention if any irritation persists.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Remove all sources of ignition - Flames, sparks, static electricity & electrical. Ventilate area, avoid run off into sewer by diking, and soak up with inert absorbent using non-sparking type tools.  
**WASTE DISPOSAL METHOD:** Dispose of in accordance with local, state 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.

**SECTION VIII - CONTROL MEASURES**

**RESPIRATORY PROTECTION:** Outdoors - Recommend an approved mechanical particulate filter to remove any airborne overspray. In restricted areas with poor ventilation, use a NIOSH approved Organic Cartridge Respirator. For concentrations above the exposure limit, use a positive air supplied respirator.  
**VENTILATION:** All application areas should be adequately ventilated in order to keep the items in SECTION II below their exposure limits.  
**PROTECTIVE GLOVES:** Impervious gloves (natural rubber) are recommended to prevent skin contact.  
**EYE PROTECTION:** Safety glasses with side shields are recommended to prevent eye contact.  
**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Impervious apron (natural 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.