

AERVOE Material Safety Data Sheet

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.

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.

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Aervoe Industries Inc.
INFORMATION PHONE: 775-782-0100
DATE REVISED:: September 28, 2007

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

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

Hazardous Component	Hydrocarbon Propellant	Acetone	Xylene	Petroleum Distillates	VM&P Naphtha	Aliphatic Petroleum Distillates	Mineral Spirits	n-Butyl Acetate	Glycol Ether PM Acetate
CAS #	68476-86-8	67-64-1	1330-20-7	64742-95-6	64742-89-8	8032-32-4	8052-41-3	123-86-4	108-65-6
OSHA -PEL (TWA)	1000 ppm	1000 ppm	100 ppm	50 ppm	N / AV	N / AV	500 ppm	150 ppm	N / AV
ACGIH -TLV (TWA)	1000 ppm	500 ppm	100 ppm	50 ppm	300 ppm	100 ppm	100 ppm	150 ppm	N / AV
LD ₅₀ Species & Route	N / AV	5800 mg/kg (Rat-Oral)	4300 mg/kg (Rat-Oral)	N / AV	N / AV	N / AV	N / AV	N / AV	N / AV
LC ₅₀ Species	N / AV	21,000 ppm 8 hr (Rat)	6700 ppm 4 hr (Rat)	N / AV	N / AV	N / AV	N / AV	N / AV	N / AV
SARA 313 Listed	no	no	yes	no	no	no	no	no	no
Spray Material Code									
Description	wt %	wt %	wt %	wt %	wt %	wt %	wt %	wt %	wt %
S180 Aluminum	30% - 40%	30% - 40%	7% - 13%					> 1%	1% - 5%
S182 Chocolate Brown	30% - 40%	30% - 40%		> 1%	1% - 10%	2% - 10%		> 1%	1% - 5%
S184 Fire Red	30% - 40%	30% - 40%		> 1%	1% - 10%	2% - 10%		> 1%	1% - 5%
S185 Orange	30% - 40%	30% - 40%		> 1%	1% - 10%	2% - 10%		> 1%	1% - 5%
S186 Flat Black	30% - 40%	30% - 40%		> 1%	1% - 10%	2% - 10%	1% - 2%	> 1%	1% - 5%
S188 Flat White	30% - 40%	30% - 40%		> 1%	1% - 10%	2% - 10%	1% - 2%	> 1%	1% - 5%
S190 Gloss Black	30% - 40%	30% - 40%		> 1%	1% - 10%	2% - 10%		> 1%	1% - 5%
S191 Semi-Gloss Black	30% - 40%	30% - 40%		> 1%	1% - 10%	2% - 10%		> 1%	1% - 5%
S192 Gloss White	30% - 40%	30% - 40%		> 1%	1% - 10%	2% - 10%	1% - 2%	> 1%	1% - 5%
S193 Semi-Gloss White	30% - 40%	30% - 40%		> 1%	1% - 10%	2% - 10%	1% - 2%	> 1%	1% - 5%
S196 Lemon Yellow	30% - 40%	30% - 40%		> 1%	1% - 10%	2% - 10%		> 1%	1% - 5%
S198 Malibu Blue	30% - 40%	30% - 40%		> 1%	1% - 10%	2% - 10%		> 1%	1% - 5%
S202 Sherwood Green	30% - 40%	30% - 40%	7% - 13%				1% - 3%	> 1%	1% - 5%
S205 Gray	30% - 40%	30% - 40%		> 1%	1% - 10%	2% - 10%		> 1%	1% - 5%
S206 Clear	30% - 40%	30% - 40%				5% - 1.5%	7% - 13%	1% - 5%	
S220 Almond	30% - 40%	30% - 40%		> 1%	1% - 10%	2% - 10%		> 1%	1% - 5%
S221 Colonial White	30% - 40%	30% - 40%		> 1%	1% - 10%	2% - 10%		> 1%	1% - 5%
S222 Pink	30% - 40%	30% - 40%		> 1%	1% - 10%	2% - 10%	1% - 2%	> 1%	1% - 5%
S223 Lt. Blue	30% - 40%	30% - 40%		> 1%	1% - 10%	2% - 10%		> 1%	1% - 5%
S224 Beige	30% - 40%	30% - 40%		> 1%	1% - 10%	2% - 10%		> 1%	1% - 5%
S225 Med. Gray	30% - 40%	30% - 40%		> 1%	1% - 10%	2% - 10%		> 1%	1% - 5%

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: N / AP
VAPOR DENSITY: Heavier than air
EVAPORATION RATE: Faster than n-Butyl Acetate

SPECIFIC GRAVITY (H2O=1): 0.7 to 0.8
SOLUBILITY IN WATER: Negligible
APPEARANCE AND ODOR: Clear or opaque liquid with ketone odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: < 0° F (-18° C)
METHOD USED: Estimated
FLAMMABLE LIMITS - LEL: 0.7% **UEL:** 15.0%
EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, water spray.
SPECIAL FIRE FIGHTING PROCEDURES: Use water spray 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: Treat as cylinders of compressed gas. Closed containers may rupture due to pressure build up from extreme temperature.
FLAMMABILITY: Yes - Flammable aerosol under conditions of sparks, flame, or hot surfaces.
SENSITIVITY TO IMPACT: Product will be expelled rapidly if container is punctured **SENSITIVITY TO STATIC DISCHARGE:** Primarily vapors

SECTION V - REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Open flames, sparks, electrical arcs.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Monoxide, Carbon Dioxide.
HAZARDOUS POLYMERIZATION: Will not occur

SECTION VI - HEALTH HAZARD DATA

INHALATION: Respiratory tract irritant. May cause dizziness, light-headedness and / or headaches.
SKIN CONTACT: Prolonged or repeated contact may cause irritation and dermatitis.
EYE CONTACT: Painful with slight to moderate irritation.
SKIN ABSORPTION: Not likely to be absorbed in toxic amounts under normal use.
INGESTION: Not likely to be harmful in small amounts but swallowing large amounts may be harmful.
CARCINOGENICITY: The ingredients are not listed as a human carcinogen by IARC, ACGIH, NTP, or OSHA.
TERATOGENICITY: Not established **MUTAGENICITY:** Not established
MEDICAL CONDITION GENERALLY AGGRAVATED BY EXPOSURE: Not established
EMERGENCY AND FIRST AID PROCEDURES: INHALATION - Remove from exposure, seek medical attention if signs/symptoms persist. SKIN - Wash affected area with soap and water, remove contaminated clothing, seek medical attention if irritation persists. EYES - Flush immediately with water for 15 minutes, seek medical attention if irritation persists.
INGESTION - Do NOT induce vomiting, drink plenty of water, 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 material and 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 smoke while using this product. Dust from sanding the dry paint film should be treated as a nuisance dust with a TLV 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 or goggles.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not established.
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.