Aervoe Survey Marking Paint - Aerosol



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.

PRODUCT NAME: Survey Marking Paint

Non-Fluorescent Colors		Fluorescent Colors	16 o	z. I.A.C.	High Delivery	Metallic
201 Red 202 Yellow 203 Blue 204 Green 205 Orange 206 Black	207 White 208 Hi Visibility Yellow 209 Light Blue 212 Purple	220 Red 222 Orange 224 Green 226 Yellow 227 Blue 229 Pink 230 Red/Orange	261 Red 262 Yellow 263 Blue 265 Orange 267 White	270 Fluorescent Red 272 Fluorescent Orange 274 Fluorescent Green 275 Fluorescent Red/Orange 279 Fluorescent Pink	281 Red 282 Yellow 288 Fluorescent O	210 Silver range

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Aervoe Industries, Inc. INFORMATION PHONE: 775-782-0100 DATE REVISED: May 21, 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 COMPONENTS	WEIGHT PERCENT	OSHA PEL	ACGIH TLV		LD50 SPECIES & ROUTE	LC50 SPECIES & ROUTE
Hydrocarbon Propellant		1000 ppm	1000 ppm		N / AV	N / AV
(CAS 68476-86-8) 10 - 30						
Aliphatic Petroleum Distillates		N / AV	300 ppm		N / AV	N / AV
(CAS 64742-89-8)	10 - 30					
*Hexane		500 ppm	50 ppm (skin)		2870 mg / kg (Rat-Oral)	N / AV
(CAS 110-54-3)	7 - 13					
Aliphatic Petroleum Distillates		100 ppm	100 ppm		N / AV	N / AV
(CAS 64742-88-7) 1 - 5						
Non-Fluorescent Colors Also Contain:						
Acetone		1000 ppm	500 ppm		5800 mg / kg (Rat-Oral)	21000 ppm / 8 hr (Rat-Inha)
(CAS 67-64-1)	5 - 10					
Metallic Colors Also Contain:						
Acetone		1000 ppm	500 ppm		5800 mg / kg (Rat-Oral)	21000 ppm / 8 hr (Rat-Inha)
(CAS 67-64-1)	30 - 60					
n-Butyl Acetate		150 ppm	150 ppm	200 ppm	N / AV	N / AV
(CAS 123-86-4)	1 - 5					
Aliphatic Hydrocarbon		N / AV	N / AV	1200 mg / m ³	N / AV	N / AV
(CAS 64742-47-8)	1 - 5					

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

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

STABILITY: Stable

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS SPECIFIC GRAVITY (H20=1): 0.9

SOLUBILITY IN WATER: Partial APPEARANCE AND ODOR: Opaque liquid with hydrocarbon odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

 FLASH POINT: < 0° F (-18° C)</td>
 METHOD USED: Estimated
 FLAMMABLE LIMITS - LEL: 0.9%
 UEL: 13.0%

 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 STATIC DISCHARGE: Primarily vapors

SECTION V - REACTIVITY DATA

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. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. SKIN CONTACT: Prolonged or repeated contact may cause irritation and dermatitis. EYE CONTACT: Painful with slight to moderate irritation. INGESTION: May be harmful or fatal if swallowed EFFECTS OF CHRONIC OVEREXPOSURE: Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart and blood. CARCINOGENICITY: The ingredients are not listed as a human carcinogen by IARC, ACGIH, NTP, or OSHA. TERATOGENICITY: 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. INGESTION - Do not induce vomiting. Contact physician or poison control center immediately.

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: Avoid contact with eyes and skin. Do not breathe vapors, take internally or smoke while using this product.

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.