

**AerVOE Striping Paint - Aerosol**



**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-Pacific aerosol products.

**STRIPING PAINT**

701 TRAFFIC WHITE SUPREME  
702 TRAFFIC YELLOW SUPREME  
710 TRAFFIC WHITE  
720 TRAFFIC YELLOW

730 TRAFFIC RED  
740 TRAFFIC ORANGE  
750 TRAFFIC BLUE  
760 TRAFFIC GREEN

770 ASPHALT BLACK  
780 CONCRETE GRAY  
785 FLUORESCENT RED/ORANGE

PRODUCT NAME: STRIPING PAINT - ALL COLORS

PRODUCT CODE: 18A1

HMS CODES: H F R P  
2 4 1 X

**SECTION I - MANUFACTURER IDENTIFICATION**

MANUFACTURER'S NAME: AerVOE-Pacific Company, Inc.  
INFORMATION PHONE: 775-782-0100  
DATE REVISED: 05-18-01

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	OTHER	LD50 SPECIES & ROUTE	LC50 SPECIES & ROUTE
*XYLENE (CAS 1330 20 7)	5	100 PPM	100 PPM		4300 mg / kg RAT (ORAL)	6700 PPM; 4 hr RAT (INHA)
*ETHYL BENZENE (CAS 100 41 4)	2	100 PPM	100 PPM	N/A	3500 mg / kg RAT (ORAL)	N/A
ACETONE (CAS 67 64 1)	16	750 PPM	750 PPM		9750 mg / kg RAT (ORAL)	6700 PPM / 4 hr RAT (INHA)
PETROLEUM NAPHTHA (CAS 64742 89 8)	17	400 PPM	400 PPM	N/A	> 25 ml / kg RAT (ORAL)	14,000-16,000 PPM / 4 hr RAT (INHA)
MINERAL SPIRITS (CAS 8052 41 3)	< 5.0%	100 PPM	100 PPM		N/A	N/A
PROPANE (CAS 74 98 6)	9	1000 PPM	1000 PPM		N/A	N/A
ISOBUTANE (CAS 75 28 5)	< 5.0%	800 PPM	800 PPM	ESTIMATED	N/A	57 PPH / 15 min RAT (INHA)
NORMAL BUTANE (CAS 106 97 8)	< 5.0%	600 PPM	600 PPM		N/A	658 mg / L; 4 hr RAT (INHA)

\*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

PRODUCT CODE: 18A1

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: -10° F / -23° C  
ODOR THRESHOLD: N/A  
EVAPORATION RATE: Faster than n-Butyl Acetate  
COATING V.O.C. : 5.70 lbs / Imp gal

SPECIFIC GRAVITY (H<sub>2</sub>O=1): 0.9  
VAPOR DENSITY: Heavier than air  
4.75 lbs / US gal

COEFFICIENT OF WATER/OIL DIST: N/A  
SOLUBILITY IN WATER: Negligible  
APPEARANCE AND ODOR: Opaque Liquid / Solvent Based Odor  
FREEZING POINT: N/A

pH: N/A

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: -22° F / -30° C  
EXTINGUISHING MEDIA: Foam, Alcohol Foam, CO<sub>2</sub>, Dry Chemical, Water Fog  
SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be ineffective, but 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 explode due to pressure build up from extreme heat or fire. Aerosol spray extremely flammable.  
FLAMMABILITY: Yes - Flammable aerosol under conditions of spark, flame, or hot surfaces.  
SENSITIVITY TO IMPACT: Do not puncture

METHOD USED: Estimated  
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 0.7% UPPER: 12.8%

SENSITIVITY TO STATIC DISCHARGE: Primarily vapors

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  
TERATOGENICITY: N/A  
MEDICAL CONDITION GENERALLY AGGRAVATED BY EXPOSURE: None known  
EMERGENCY AND FIRST AID PROCEDURES: VAPORS - Remove from exposure and restore breathing, seek medical attention.  
SPLASH - (SKIN) Wash affected area, remove contaminated clothing, see physician if any irritation persists.  
SPLASH - (EYES) Flush immediately with water for 15 minutes and take to a physician.

NTP? No  
IARC MONOGRAPHS? No  
OSHA REGULATED? No  
MUTAGENICITY: N/A  
TOXICOLOGICALLY SYNERGISTIC PRODUCT: N/A

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. In addition to all other hazards and precautions - dust from sanding the dry paint films should be treated as a nuisance dust with a TLV of 10mg/cubic meter.

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.

# AerVOE Striping Paint - Bulk



# 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 bulk paint. 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 bulk products.

PRODUCT NAME: Striping Paint

710 Traffic White  
720 Traffic Yellow

730 Traffic Red  
740 Traffic Orange  
750 Traffic Blue

760 Traffic Green  
770 Asphalt Black

## SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: AerVOE Industries, Inc.  
INFORMATION PHONE: 775-782-0100  
DATE REVISED: 06-14-04

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
Solvent Naphtha (Petroleum), Light Aliphatic (CAS 64742-89-8)	10 - 30	N / AV	N / AV	> 2000 mg / kg (Rat-Dermal) > 2000 mg / kg (Rat-Oral)	> 5000 ppm / 1 hr (Rat-Inha)
Acetone (CAS 67-64-1)	2 - 15	1000 ppm	500 ppm	5800 mg / kg (Rat-Oral)	21000 ppm / 8 hr (Rat-Inha)
*Xylene (CAS 1330-20-7)	5 - 10	100 ppm	100 ppm	4300 mg / kg (Rat-Oral)	6700 ppm / 4 hr (Rat-Inha)
720, 730, 740, 750, 760, 770 also contain:					
Aliphatic Hydrocarbon (CAS 8052-41-3)	1 - 5	500 ppm	100 ppm	N / AV	N / AV
730 also contains:					
Aliphatic Petroleum Distillates (CAS 64742-89-8)	1 - 5	N / AV	300 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 / AP = Not Applicable N / AV = Not Available

### SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: 200° to 240° F (93° to 116° C)      SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1.1      COEFFICIENT OF WATER/OIL DIST: N / AV  
ODOR THRESHOLD: N / AV      VAPOR DENSITY: Heavier than air      SOLUBILITY IN WATER: Slight  
EVAPORATION RATE: Slower than n-Butyl Acetate      APPEARANCE AND ODOR: Opaque liquid with hydrocarbon odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: < 20° F (-7° C)      METHOD USED: PMCC      FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 0.7%      UPPER: 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: Closed containers may rupture due to pressure build up from extreme heat or fire.  
FLAMMABILITY: Flammable liquid under conditions of sparks, flame, or hot surfaces.  
SENSITIVITY TO IMPACT: Product will leak 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 Dioxide, Carbon Monoxide  
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 in normal use 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 if 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. 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. 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 an 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 TLVs 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: None  
WORK / HYGIENIC PRACTICES: Avoid prolonged or repeated contact. Do not breathe vapors. Wash contaminated clothing prior to reuse.

### SECTION IX - DISCLAIMER

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