

# Material Safety Data Sheet

Tree Marking Paint (aerosol) March 05, 2007

19A1

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:

## TREE MARKING PAINT

### NON-FLUORESCENT COLORS

610 Red  
620 Orange  
630 Yellow  
640 Green  
645 Dark Green  
660 Black  
670 White

### FLUORESCENT COLORS

690 Red  
691 Pink  
692 Orange  
693 Yellow

## SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: AerVOE Industries Inc.  
INFORMATION PHONE: 775-782-0100  
DATE REVISED: March 05, 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
Petroleum Naphtha (CAS 64742-89-8)	10 - 30	N / AV	N / AV	> 2.84 g / kg (Rat-Dermal)	N / AV
Hydrocarbon Propellant (CAS 68476-86-8)	10 - 30	1000 ppm	1000 ppm	N / AV	N / AV
<b>Non-Fluorescent colors also contain:</b> Aliphatic Hydrocarbon (CAS 8052-41-3)	10 - 30	500 ppm	100 ppm	N / AV	N / AV
<b>Fluorescent colors also contain:</b> *Hexane (CAS 110-54-3)	7 - 13	500 ppm	50 ppm (skin)	2870 mg / kg (Rat-Oral)	N / AV
Aliphatic Petroleum Distillates (CAS 64742-88-7)	1 - 5	100 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 / AP = Not Applicable N / AV = Not Available

## SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: N / AP  
VAPOR DENSITY: Heavier than air  
EVAPORATION RATE: Faster than n-Butyl Acetate  
SPECIFIC GRAVITY (H20=1): 0.8 to 0.9  
SOLUBILITY IN WATER: Negligible  
APPEARANCE AND ODOR: Opaque liquid with hydrocarbon odor.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: < 0° F (-18° C) METHOD USED: Estimated  
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: Yes - Flammable aerosol under conditions of sparks, flame, or hot surfaces.  
SENSITIVITY TO IMPACT: Aerosol cans are under pressure. Product will be expelled rapidly if container is punctured.  
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 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. 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. 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. 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. 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 films should be treated as a nuisance dust with a TLV of 15mg/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: None  
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.

# 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.

This MSDS covers the following AerVOE aerosol product:

**PRODUCT NAME:** 680 Silver Tree Marking Paint

## SECTION I - MANUFACTURER IDENTIFICATION

**MANUFACTURER'S NAME:** AerVOE Industries Inc.  
**INFORMATION PHONE:** 775-782-0100  
**DATE REVISED:** March 05, 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	ACGIH STEL	LD50 SPECIES & ROUTE	LC50 SPECIES & ROUTE
Acetone (CAS 67-64-1)	15 - 40	1000 ppm	500 ppm		5800 mg / kg (Rat-Oral)	21000 ppm / 8 hr (Rat-Inha)
Hydrocarbon Propellant (CAS 68476-86-8)	10 - 30	1000 ppm	1000 ppm		N / AV	N / AV
*Xylene (CAS 1330-20-7)	10 - 30	100 ppm	100 ppm		4300 mg / kg (Rat-Oral)	6700 ppm / 4 hr (Rat-Inha)
n-Butyl Acetate (CAS 123-86-4)	1 - 3	150 ppm	150 ppm	200 ppm	N / AV	N / AV
Aliphatic Hydrocarbon (CAS 8052-41-3)	1 - 2	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 / AP = Not Applicable N / AV = Not Available

680 Silver Tree Marking Paint (aerosol)

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## SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

**BOILING POINT:** N / AP  
**VAPOR DENSITY:** Heavier than air  
**EVAPORATION RATE:** Faster than n-Butyl Acetate  
**SPECIFIC GRAVITY (H20=1):** 0.8  
**SOLUBILITY IN WATER:** Partial  
**APPEARANCE AND ODOR:** Opaque silver liquid with ketone odor.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** <0° F (-18° C) **METHOD USED:** Estimated **FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER:** 0.7% **JPPER:** 12.8%  
**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:** 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 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. 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. **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. 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. 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 films should be treated as a nuisance dust with a TLV of 15mg/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:** None  
**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 Tree Marking Paint (Regular colors) - Bulk**



# Material Safety Data Sheet

The following material safety data sheet covers the hazardous ingredients associated with more than one color bulk 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 bulk products.

**TREE MARKING PAINT - REGULAR COLORS**

610 Red	630 Yellow	645 Dark Green	660 Black
620 Orange	640 Green	650 Blue	670 White

**SECTION I - MANUFACTURER IDENTIFICATION**

MANUFACTURER'S NAME: Aervoe Industries Inc.  
 INFORMATION PHONE: 775-782-0100  
 DATE REVISED: 05-21-04

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	ACGIH STEL	LD50 SPECIES & ROUTE	LC50 SPECIES & ROUTE
Aliphatic Hydrocarbon (CAS 8052-41-3)	40 - 70	500 ppm	100 ppm		N / AV	N / AV
Isopropanol (CAS 67-63-0)	1 - 3	400 ppm	400 ppm	500 ppm	4700 mg / kg (Rat-Oral)	16000 ppm / 4 hr (Rat-Inha)

\*\*\*No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.\*\*\*

NOTE: N / AP = Not Applicable. N / AV = Not Available

**SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS**

BOILING POINT: 340° to 400° F (171° to 204° C)      SPECIFIC GRAVITY (H20=1): 0.9 to 1.0      COEFFICIENT OF WATER/OIL DIST: N / AV  
 ODOR THRESHOLD: N / AV      VAPOR DENSITY: Heavier than air      SOLUBILITY IN WATER: Negligible  
 EVAPORATION RATE: Slower than n-Butyl Acetate      APPEARANCE AND ODOR: Opaque with hydrocarbon odor.

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

FLASH POINT: 87° F (31° C)      METHOD USED: PMCC      FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 0.7%      UPPER: 12.0%  
 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.

**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 films should be treated as a nuisance dust with a TLV of 15mg/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: None  
 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.

**Aerove Tree Marking Paint (Fluorescent colors) - Bulk**



# Material Safety Data Sheet

The following material safety data sheet covers the hazardous ingredients associated with more than one color bulk 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 Aerove bulk products.

**TREE MARKING PAINT - FLUORESCENT COLORS**

690 Red                      691 Pink                      692 Orange                      693 Yellow

**SECTION I - MANUFACTURER IDENTIFICATION**

**MANUFACTURER'S NAME:** Aerove Industries Inc.  
**INFORMATION PHONE:** 775-782-0100  
**DATE REVISED:** 11-03-03

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

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

HAZARDOUS COMPONENTS	WEIGHT PERCENT	OSHA PEL	ACGIH TLV	LD50 SPECIES & ROUTE	LC50 SPECIES & ROUTE
*Xylene (CAS 1330-20-7)	15 - 40	100 ppm	100 ppm	4300 mg / kg (Rat-Oral)	6700 ppm / 4 hr (Rat-Inha)
Solvent Naphtha (Petroleum), Light Aliphatic (CAS 64742-89-8)	10 - 30	N / AV	N / AV	> 2.84 g / kg (Rat-Dermal) > 7.10 g / kg (Rat-Oral)	N / AV
<b>693 Yellow also contains:</b>					
*Hexane (CAS 110-54-3)	7 - 13	500 ppm	50 ppm (skin)	2870 mg / kg (Rat-Oral)	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:** 210° to 279° F (99° to 137° C)      **SPECIFIC GRAVITY (H2O=1):** 1.1      **COEFFICIENT OF WATER/OIL DIST:** N / AV  
**ODOR THRESHOLD:** N / AV      **VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Negligible  
**EVAPORATION RATE:** Slower than n-Butyl Acetate      **APPEARANCE AND ODOR:** Opaque liquid with aromatic odor.

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

**FLASH POINT of 690 to 692:** 44° F (7° C)      **METHOD USED:** PMCC  
**FLASH POINT of 693:** <20° F (-7° C)      **METHOD USED:** PMCC  
**FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER:** 0.8%      **UPPER:** 8.0%  
**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.  
**SENSITIVITY TO IMPACT:** Do not puncture      **SENSITIVITY TO STATIC DISCHARGE:** Primarily vapors  
**FLAMMABILITY:** Yes - Flammable liquid under conditions of sparks, flame, or hot surfaces.

**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.

**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 films should be treated as a nuisance dust with a TLV of 15mg/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:** None  
**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.

**Aerove 680 Silver Tree Marking Paint - Bulk**



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.

This MSDS covers the following Aerove bulk product.

PRODUCT NAME: 680 Silver Tree Marking Paint

**SECTION I - MANUFACTURER IDENTIFICATION**

MANUFACTURER'S NAME: Aerove Industries Inc.  
 INFORMATION PHONE: 775-782-0100  
 DATE REVISED: 11-03-03

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

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

HAZARDOUS COMPONENTS	WEIGHT PERCENT	OSHA PEL	ACGIH TLV	ACGIH STEL	LD50 SPECIES & ROUTE	LC50 SPECIES & ROUTE
*Xylene (CAS 1330-20-7)	50 - 70	100 ppm	100 ppm		4300 mg / kg (Rat-Oral)	6700 ppm / 4 hr (Rat-Inha)
n-Butyl Acetate (CAS 123-86-4)	3 - 7	150 ppm	150 ppm	200 ppm	N / AV	N / AV
Aliphatic Hydrocarbon (CAS 8052-41-3)	1 - 3	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 / AP = Not Applicable N / AV = Not Available

**SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS**

BOILING POINT: 279° F (137° C)      SPECIFIC GRAVITY (H20=1): 1.0      COEFFICIENT OF WATER/DIL DIST: N / AV  
 ODOR THRESHOLD: N / AV      VAPOR DENSITY: Heavier than air      SOLUBILITY IN WATER: Negligible  
 EVAPORATION RATE: Slower than n-Butyl Acetate      APPEARANCE AND ODOR: Opaque silver liquid with aromatic odor.

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

FLASH POINT: 80° F (27° C)      METHOD USED: Estimated      FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 0.7% UPPER: 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: Closed containers may rupture due to pressure build up from extreme heat or fire.  
 SENSITIVITY TO IMPACT: Do not puncture      SENSITIVITY TO STATIC DISCHARGE: Primarily vapors.  
 FLAMMABILITY: Yes - Flammable liquid under conditions of sparks, flame, or hot surfaces.

**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.

**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 films should be treated as a nuisance dust with a TLV of 15mg/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: None  
 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.