



Canadian Material Safety Data Sheet

CE19A1

SECTION 1 - Product Information

Part Number CE19A1

Product Identifier:

Non-Fluorescent Colors

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

Fluorescent Colors

688 Green 692 Orange
 690 Red 693 Yellow
 691 Pink

Product Use: Tree Marking Paint
Manufacturer's Name: Aervoe Industries Inc.
Address: 1198 Mark Circle, Gardnerville, NV 89410
Emergency Phone: 1-800-424-9300
Preparation Date: January 12, 2010

SECTION 2 - Hazardous Ingredients

Hazardous Ingredients	Weight %	CAS Number	LD ₅₀ of Ingredient (species & route)	LC ₅₀ of Ingredient (species)
Aliphatic Petroleum Distillates	10 - 30	64742-89-8	N / AV	N / AV
Propane	10 - 30	74-98-6	N / AV	N / AV
n-Butane	3 - 7	106-97-8	N / AV	N / AV
Isobutane	1 - 5	75-28-5	N / AV	57 pph / 15 min (Rat)

Non-Flourescent colorsalso contain:

Aliphatic Hydrocarbon	10 - 30	8052-41-3	N	N / AV
Aliphatic Petroleum Distillates	10 - 30	64742-89-8	N / AV	N / AV

Flourescent colors also contain:

Hexane	7 - 13	110-54-3	2870 mg / kg (Rat-Oral)	N / AV
Aliphatic Petroleum Distillates	1 - 5	64742-88-7	N / AV	N / AV
Aromatic Hydrocarbon	7 - 13	64742-94-5	N / AV	N / AV

SECTION 3 - Physical Data

Physical State: Aerosol
Boiling Point: N / AP
Vapor Density (air = 1): Heavier than air
Odor and Appearance: Hydrocarbon odor / Opaque liquid
Coefficient of Water/Oil Distribution: N / AV

Specific Gravity: 0.8 to 0.9
Freezing Point: N / AV
Vapor Pressure (psig): 35 to 55

Evaporation Rate: Faster than n-Butyl Acetate
pH: N / AP
Odor Threshold (ppm): N / AV

SECTION 4 - Fire and Explosion Data

Flammability: Yes - Flammable aerosol under conditions of sparks, flame, or excessive heat.
Means of Extinction: *Extinguishing Media* - Carbon dioxide, dry chemical, water spray. *Firefighting Procedures* - Treat as cylinders of compressed gas. Closed containers may rupture due to pressure build up from extreme temperature. Use water spray to cool containers to prevent pressure build up. Self-contained breathing apparatus should be used if product is involved in fire.
Flashpoint: < 0° F (-18° C) **Method Used:** Estimated
Flammable Limits for Non-Fluorescent & Fluorescent Colors - LFL: 0.7% **UFL:** 9.5%
Autoignition Temperature: N / AV **Hazardous Combustion Products:** Carbon Monoxide, Carbon Dioxide.
Explosion Data - Sensitivity to Mechanical Impact: No **Explosion Data - Sensitivity to Static Discharge:** No

SECTION 5 - Reactivity Data

Chemical Stability: Stable
Reactivity & Conditions: None

Incompatibility with Other Substances: Strong oxidizing agents.
Hazardous Decomposition Products: None

SECTION 6 - Toxicological Properties

Primary Routes of Entry: Skin Contact, Eye Contact, Inhalation
Effects of Acute Exposure to Product:
Skin Contact - Irritation.
Eye Contact - Irritation.
Inhalation - Irritation. May cause dizziness, light-headedness and / or headaches.
Effects of Chronic Exposure to Product: Dermatitis.

Exposure Limits (TLV):

Aliphatic Hydrocarbon	100 ppm TWA - ACGIH 2005
Propane	2500 ppm TWA - ACGIH 2005
n-Butane	800 ppm TWA - ACGIH 2005
Isobutane	N / AV - ACGIH 2005
Hexane	50 ppm TWA (Skin) - ACGIH 2005
Aliphatic Petroleum Distillates	N / AV - ACGIH 2005
Aromatic Hydrocarbon	N / AV - ACGIH 2005

Irritancy: Skin, eyes, and respiratory tract.

Sensitization: N / AV

Carcinogenicity: The ingredients are not listed as a human carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive Toxicity: N / AV **Teratogenicity:** N / AV **Mutagenicity:** N / AV **Synergistic Products:** N / AV

SECTION 7 - Preventive Measures

Personal Protective Equipment (PPE): Gloves - Yes Respirator - Yes Eye - Yes Footwear - No Clothing - No Other - No
Skin Protection - Chemical resistant gloves such as Neoprene or Nitrile rubber.
Respiratory Protection - In areas with poor ventilation, use a NIOSH approved Organic Vapor Cartridge Respirator. For concentrations above the TLV (as defined in Section 6), use a positive air supplied respirator.
Eye Protection - Safety glasses or goggles.
Engineering Controls: General ventilation to maintain exposure limits below TLV's as defined in Section 6.
Leak and Spill Procedure: Remove all sources of ignition. Ventilate area. Prevent from entering a watercourse. Use an inert absorbent material and non-sparking type tools.
Waste Disposal: Dispose of in accordance with local, state/provincial or territorial, and federal regulations. Do not incinerate closed containers.
Handling Procedures and Equipment: Do not use near heat, sparks, or open flame. Use PPE as defined in Section 7.
Storage Requirements: Do not store near heat, sparks, flame or above 120° F (49° C).
Special Shipping Information: Consumer Commodity ORM-D.

SECTION 8 - First Aid Measures

Inhalation: Remove from exposure, seek medical attention if signs/symptoms persist.
Ingestion: Do NOT induce vomiting, seek medical attention.
Skin Contact: Wash affected area with soap and water, remove contaminated clothing, seek medical attention if irritation persists.
Eye Contact: Flush immediately with water for 15 minutes, seek medical attention if irritation persists.

SECTION 9 - Preparation Information

Prepared by: Technical Department **Telephone Number:** 775-782-0100 **Preparation Date:** January 12, 2010

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.

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

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SECTION 1 - Product Information

Part Number CE19A1

Product Identifier: 680 Silver Tree Marking Paint
Product Use: Tree Marking Paint
Manufacturer's Name: AerVOE Industries Inc.
Address: 1100 Mark Circle, Gardnerville, NV 89410
Emergency Phone: 1-800-424-9300
Preparation Date: May 25, 2010

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

HAZARDOUS COMPONENTS	WEIGHT PERCENT	CAS NUMBER	LD50 SPECIES & ROUTE	LC50 SPECIES & ROUTE
Acetone	15 - 40	67-64-1	5800 mg / kg (Rat-Oral)	21000 ppm / 8 hr (Rat-Inha)
Hydrocarbon Propellant	10 - 30	68476-86-8	N / AV	N / AV
*Xylene	10 - 30	1330-20-7	4300 mg / kg (Rat-Oral)	6700 ppm / 4 hr (Rat-Inha)
n-Butyl Acetate	1 - 3	123-86-4	N / AV	N / AV
Aliphatic Hydrocarbon	1 - 2	8052-41-3	N / AV	N / AV

SECTION 3 - Physical Data

Physical State: Aerosol
Boiling Point: N / AP
Vapor Density (air = 1): Heavier than air
Odor and Appearance: Hydrocarbon odor / Opaque liquid
Coefficient of Water/Oil Distribution: N / AV
Specific Gravity: 0.8 to 0.9
Freezing Point: N / AV
Vapor Pressure (psig): 35 to 55

Evaporation Rate: Faster than n-Butyl Acetate
pH: N / AP

Odor Threshold (ppm): N / AV

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Flammability: Yes - Flammable aerosol under conditions of sparks, flame, or excessive heat.
Means of Extinction: *Extinguishing Media* - Carbon dioxide, dry chemical, water spray. *Firefighting Procedures* - Treat as cylinders of compressed gas. Closed containers may rupture due to pressure build up from extreme temperature. Use water spray to cool containers to prevent pressure build up. Self-contained breathing apparatus should be used if product is involved in fire.
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Autoignition Temperature: N / AV **Hazardous Combustion Products:** Carbon Monoxide, Carbon Dioxide.
Explosion Data - Sensitivity to Mechanical Impact: No **Explosion Data - Sensitivity to Static Discharge:** No

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Chemical Stability: Stable
Reactivity & Conditions: None

Incompatibility with Other Substances: Strong oxidizing agents.
Hazardous Decomposition Products: None

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Primary Routes of Entry: Skin Contact, Eye Contact, Inhalation
Effects of Acute Exposure to Product:
Skin Contact - Irritation.
Eye Contact - Irritation.
Inhalation - Irritation. May cause dizziness, light-headedness and / or headaches.
Effects of Chronic Exposure to Product: Dermatitis.

Exposure Limits (TLV):

Acetone 500 ppm TWA and 750 ppm STEL - ACGIH 2005
Hydrocarbon Propellant N / AV - ACGIH 2005
Xylene 100 ppm TWA and 150 ppm STEL - ACGIH 2005
n-Butyl Acetate 800 ppm TWA - ACGIH 2005
Aromatic Hydrocarbon N / AV - ACGIH 2005

Irritancy: Skin, eyes, and respiratory tract.

Sensitization: N / AV

Carcinogenicity: The ingredients are not listed as a human carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive Toxicity: N / AV

Teratogenicity: N / AV

Mutagenicity: N / AV

Synergistic Products: N / AV

SECTION 7 - Preventive Measures

Personal Protective Equipment (PPE): Gloves - Yes Respirator - Yes Eye - Yes Footwear - No Clothing - No Other - No

Skin Protection - Chemical resistant gloves such as Neoprene or Nitrile rubber.

Respiratory Protection - In areas with poor ventilation, use a NIOSH approved Organic Vapor Cartridge Respirator.

For concentrations above the TLV (as defined in Section 6), use a positive air supplied respirator.

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Ingestion: Do NOT induce vomiting, seek medical attention.

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Eye Contact: Flush immediately with water for 15 minutes, seek medical attention if irritation persists.

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Prepared by: Technical Department

Telephone Number: 775-783-3100

Preparation Date: May 25, 2010

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