



**SECTION 1 - Product Information**

**Product Identifier:**

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

**Product Use:** Ground Marking Paint  
**Manufacturer's Name:** Aerove Industries Inc.  
**Address:** 1198 Mark Circle, Gardnerville, NV 89410  
**Emergency Phone:** 1-800-424-9300  
**Preparation Date:** December 10, 2007

**SECTION 2 - Hazardous Ingredients**

Hazardous Ingredients	Weight %	CAS Number	LD <sub>50</sub> of Ingredient (species & route)	LC <sub>50</sub> of Ingredient (species)
Aliphatic Petroleum Distillates	10 - 30	64742-89-8	> 2.84 g / kg (Rat-Dermal)	15,000 ppm / 4 hr (Rat)
Propane	7 - 13	74-98-6	N / AV	N / AV
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
n-Butane	1 - 5	106-97-8	N / AV	N / AV
Isobutane	1 - 5	75-28-5	N / AV	57 pph / 15 min (Rat)
<b>Non-Fluorescent Colors Also Contain:</b>				
Acetone	1 - 5	67-64-1	5800 mg / kg (Rat-Oral)	21000 ppm / 8 hr (Rat)
<b>Metallic Colors Also Contain:</b>				
Acetone	30 - 60	67-64-1	5800 mg / kg (Rat-Oral)	21000 ppm / 8 hr (Rat)
n-Butyl Acetate	1 - 5	123-86-4	N / AV	N / AV
Aliphatic Hydrocarbon	1 - 5	64742-47-8	N / AV	N / AV

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

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**Survey Marking Paint SECTION 3 - Physical Data**

**Physical State:** Aerosol  
**Boiling Point:** N / AP  
**Vapor Density (air = 1):** Heavier than air  
**Odor Threshold (ppm):** N / AV  
**Specific Gravity:** 0.9  
**Freezing Point:** N / AV  
**Vapor Pressure (psig):** 35 to 55  
**Coefficient of Water/Oil Distribution:** N / AV  
**Evaporation Rate:** Faster than n-Butyl Acetate  
**pH:** N / AP  
**Odor and Appearance:** Hydrocarbon odor / Opaque liquid

**SECTION 4 - Fire and Explosion Data**

**Flammability:** 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)  
**Autoignition Temperature:** N / AV  
**Explosion Data - Sensitivity to Mechanical Impact:** No  
**Method Used:** Estimated  
**Hazardous Combustion Products:** Carbon Monoxide, Carbon Dioxide.  
**Explosion Data - Sensitivity to Static Discharge:** No  
**Flammable Limits - LFL:** 0.9% **UFL:** 13.0%

**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. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.  
**Effects of Chronic Exposure to Product:** Dermatitis. 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.

**Exposure Limits (TLV):**

Aliphatic Hydrocarbon	100 ppm TWA - ACGIH 2005
Aliphatic Petroleum Distillates	N / AV - ACGIH 2005
Propane	2500 ppm TWA - ACGIH 2005
Hexane	50 ppm TWA (Skin) - ACGIH 2005
Acetone	500 ppm TWA and 750 ppm STEL - ACGIH 2005
n-Butyl Acetate	150 ppm TWA and 200 ppm STEL - ACGIH 2005
n-Butane	800 ppm TWA - ACGIH 2005
Isobutane	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.  
**Teratogenicity:** N / AV  
**Mutagenicity:** N / AV  
**Reproductive Toxicity:** 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.  
**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. Contact physician or poison control center immediately.  
**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:** 12-10-2007