



SECTION 1 - Product Information

MSDS Code: CE214A

Product Identifier: Marking Chalk

214 Blue	216 Red	218 Yellow
215 White	217 Orange	219 Green

Product Use: Ground Marking Chalk
Manufacturer's Name: Aerove Industries Inc.
Address: 1100 Mark Circle, Gardnerville, NV 89410
Emergency Phone: 1-800-424-9300
Preparation Date: April 23, 2010

SECTION 2 - Hazardous Ingredients

Hazardous Ingredients	Weight %	CAS Number	LD ₅₀ of Ingredient (species & route)	LC ₅₀ of Ingredient (species)
Dimethyl Ether	10 - 30	115-10-6	N / AV	164,000 ppm / 4 hr (Rat)
Isopropanol	10 - 30	67-63-0	4700 mg / kg (Rat-Oral)	16000 ppm / 4 hr (Rat-Inha)

SECTION 3 - Physical Data

Physical State: Aerosol
Boiling Point: N / AP
Vapour Density (air = 1): Heavier than air
Odor and Appearance: Alcohol odor / Opaque liquid

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

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

SECTION 4 - Fire and Explosion Data

Flammability: No -non -flammable aerosol
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 - LFL:** 2.0% **UFL:** 18.0%
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

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

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):**

Isopropanol 400 ppm TWA and 500 ppm STEL - ACGIH 2005

Dimethyl Ether 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:** 775-783-3100**Preparation Date:** 04-23-2010

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