



SECTION 6 - Toxicological Properties

SECTION 1 - Product Information

Product Identifier: Industrial Paint Pen

1221 Red	1226 Black	1228 Blue
1222 Yellow	1227 White	1229 Pink
1223 Orange		

Product Use: Marking / Writing.

Manufacturer's Name: Aerove Industries Inc.

Address: 1198 Mark Circle, Gardnerville, NV 89410

Emergency Phone: 1-800-424-9300

Preparation Date: September 9, 2009

SECTION 2 - Hazardous Ingredients

Hazardous Ingredients	Weight %	CAS Number	LD ₅₀ of Ingredient (species & route)	LC ₅₀ of Ingredient (species)
1-Propanol	15 - 40	71-23-8	1870 mg/kg (Rat-Oral)	5040ppm/4hr (Rat-inha)

SECTION 3 - Physical Data

Physical State: Bulk

Boiling Point: 207° F (97.2°C)

Vapour Density (air = 1): Heavier than air

Odor and Appearance: Colored opaque liquid. Odor is similar to ethyl alcohol.

Specific Gravity: 0.931

Freezing Point: N / AV

Vapour Pressure (psig): N / AV

Evaporation Rate: Faster than n-Butyl Acetate

pH: N / AP

SECTION 4 - Fire and Explosion Data

Flammability: Yes - Flammable liquid under conditions of sparks, flame, or excessive heat.

Means of Extinction: *Extinguishing Media* - Carbon dioxide, extinguishing powder or water spray. Fight larger fires with alcohol resistant foam or water spray. *Firefighting Procedures* - Self-contained breathing apparatus should be used if product is involved in fire. Wear protective clothing to prevent contact with skin or eyes.

Flashpoint: 73° F (23° C)

Method Used: TCC

Flammable Limits - LFL: 2.1% UFL: 13.5%

Autoignition Temperature: 700° F (371° C) 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

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):

Propanol 200ppmTWA - 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 - Not required for minor contact. Wash hands at the end of work.

Respiratory Protection - Use a NIOSH/MSHA respiratory device in case of insufficient ventilation or if exposure limits are exceeded.

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

Eye Protection - Not normally required if used as intended. Wear chemical splash goggles if splashing is anticipated.

Engineering Controls: Local and general exhaust should minimize any exposure.

Leak and Spill Procedure: Remove all sources of ignition. Ventilate area. Spills should be absorbed with liquid-binding material, and placed in a leak proof container.

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, call a physician in case of complaints.

Ingestion: DO NOT induce vomiting, call a physician. Wash out mouth with water if person is conscious.

Skin Contact: Wash affected area with soap and water.

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

SECTION 9 - Preparation Information

Prepared by: Technical Department

Telephone Number: 775-782-0100

Preparation Date: 9/9/09

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