

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 Aerove Paint Pens.

INDUSTRIAL PAINT PEN

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

SECTION I - DISTRIBUTOR IDENTIFICATION

DISTRIBUTOR'S NAME: Aerove Industries Inc.	ADDRESS: 1198 Mark Circle, Gardnerville, NV 89410
INFORMATION PHONE: 775-782-0100	EMERGENCY PHONE: 1-800-424-9300
DATE REVISED: September 30, 2009	REASON REVISED: Standard Reveiw - No Change

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

HAZARDOUS COMPONENTS	WEIGHT PERCENT	OSHA PEL	ACGIH TLV	LD50 SPECIES & ROUTE	LC50 SPECIES & ROUTE
1-Propanol (CAS 71 - 23 - 8))	15-40	200 ppm	200ppm	1870 mg / kg (Rat-Oral)	5040 ppm / 4 hr (Rat-Inha)

*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

Industrial Paint Pen (Bulk) September 30, 2009

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: 207° F (97.2°C)	SPECIFIC GRAVITY (H20=1): 0.931	COEFFICIENT OF WATER/OIL DIST: N / AV
ODOR THRESHOLD: N / AV	VAPOR DENSITY: Heavier than air	SOLUBILITY IN WATER: 0%
EVAPORATION RATE: Faster than n-Butyl Acetate	APPEARANCE AND ODOR: Colored, opaque liquid. Odor similar to ethyl alcohol	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 73°F (23° C)	METHOD USED: TCC	FLAMMABLE LIMITS - LEL: 2.1%	UEL: 13.5%
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EXTINGUISHING MEDIA: Carbon dioxide, extinguishing powder or water spray. Fight larger fires with alcohol resistant foam or water spray.
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus should be used if product is involved in fire. Wear protective clothing to prevent contact with skin or eyes.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may rupture due to pressure build up from extreme heat or fire.
HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, unidentified organic compounds
FLAMMABILITY: Flammable liquid under conditions of sparks, flame, or hot surfaces.
SENSITIVITY TO IMPACT: Do not puncture
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 PRODUCTS: Carbon monoxide, carbon dioxide, nitrogen oxides.
HAZARDOUS POLYMERIZATION: Will not occur

SECTION VI - HEALTH HAZARD DATA

INHALATION: May cause nasal or respiratory tract irritation. Can cause central nervous system effects including fatigue, dizziness, headache, nausea and vomiting. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
SKIN CONTACT: Wash thoroughly after handling.
EYE CONTACT: Avoid contact with eyes. May cause severe irritation.
SKIN ABSORPTION: Wash thoroughly after handling.
INGESTION: Not likely in normal use but swallowing large amounts may be harmful.
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 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, call a physician in case of complaints.
 SKIN - Wash affected area with soap and water. EYES - Flush immediately with water for fifteen minutes, seek medical attention if irritation persists.
 INGESTION - DO NOT induce vomiting, call a physician. Wash out mouth with water if person is conscious.

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. Spills should be absorbed with liquid-binding material, and placed in a leak proof container.
WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and federal regulations.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep markers capped when not in use. Do not store above 120° F (49°C). Store in a cool ventilated are away from heat, sparks or flame.
OTHER PRECAUTIONS: Do not smoke while using this product.

SECTION VIII - CONTROL MEASURES

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.
VENTILATION: General ventilation to maintain exposure limits below TLV's as defined in section II.
PROTECTIVE GLOVES: Not required for minor contact. Wash hands before breaks, and at the end of work.
EYE PROTECTION: Not normally required if used as intended. Wear chemical splash goggles if splashing is anticipated.
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.