

Material Safety Data Sheet
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HMIS
Health 1
Flamibility 1
Reactivity 0
Protection 0

Section I – Product Information -

Product Name: Premixed Colors
Product Class: Pigmented Urethane Polymer

Section II - HAZARDOUS INGREDIENTS -

INGREDIENT	PERCENT WT.	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE mm Hg
		TLV	PEL	
Methyl-4-Hydroxy Discatone Alcohol; CAS NO. 23-42-2	9	50 ppm	50 ppm	0.81@ 20 deg. C
Methyl-2 N-Methyl Pyrrolidone; CAS NO. 872-50	6.8	Not Established 100 ppm recommended		.29@ 20 deg. C
N-Diethylethanamine; Triethylethanamine; CAS NO. 121-44-8	1.7	10 ppm	25 ppm	54@ 20 deg. C
Ammonia; CAS NO. 7664-41	2	25 ppm	50 ppm	over 750@ 20 deg. C

SECTION III – PHYSICAL DATA -

BOILING RANGE: 192-396 Deg. F VAPOR DENSITY: Heavier than air
EVAPORATION RATE: Slower Than ether % VOLATILE WEIGHT: 68 WT/Gal:8.8lbs

SECTION IV – FIRE AND EXPLOSION HAZARD DATA -

FLAMMABILITY CLASSIFICATION: OSHA Combustible Liquid Class III B
DOT: Not Regulated
FLASH POINT: Over 200 deg. F LEL: 1.2% (TEA)
EXTINGUISHING MEDIA: CO₂ , Dry chemical, Water Fog
UNUSUAL FIRE AND EXPLOSION HAZARDS: Material will not support combustion
unless the water has evaporated.
SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers
to prevent pressure build-up.

SECTION V – HEALTH HAZARD DATA

The health affects of this product have not been tested. The following information is based on the hazards of its components.

EFFECTS OF OVEREXPOSURE:

Eye Contact: May cause severe irritation

Inhalation: May cause irritation to nose, throat or lungs.

Skin: May cause irritation

Ingestion: May be harmful if swallowed.

MEDICAL CONDITIONS PRONE TO AGGREVATION BY EXPOSURE: None Known

PRIMARY ROUTE(S) OF ENTRY: Dermal, Inhalation, Ingestion

EMERGENCY AND FIRST AID PROCEDURES: Splash (eyes): Flush immediately with copious quantities of running water for at least 15 minutes. Consult physician. Splash (skin): Wash affected areas with water. Ingestion: Consult physician.

Toxicity:

Diacetone Alcohol:

Vapor is irritation to eyes, nose and throat. LD50, oral rat: 3.21 ml/kg. LD50, skin-rabbit: 14.5 ml/kg. LC50, inhalation-rat 7.6 mg/1/4H

Ammonia:

Toxic ingestion. LD, oral-rat: 350 mg/kg. LCLO, Inhalation-rat: 2000 ppm/4H

N-Methyl pyrrolidone:

May cause eye irritation. Prolonged exposure may cause skin irritation. LD50, oral-rat: 4200 mg/kg. LD50, skin-rabbit: 8000/mg/kg

Triethylamine:

Primary irritant of mucous membranes and eyes.

Toxic by ingestion and skin absorption

LD50, oral-rat: 460 mg/kg. LD50, skin-rabbit: 570 mg/kg. LCLO, inhalation rat: 1000 ppm/4H

Although the concentration in this product is low, the high vapor pressure of ammonia makes it possible to exceed the TLV or PEL in drum head space or other confined areas. The liberation of ammonia may be retarded by chemical neutralization in this product

No constituents are listed as carcinogens by NTP, IARC or OSHA.

SECTION VI- REACTIVITY DATA

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: Normal combustion products including carbon dioxide, carbon monoxide, and oxides of nitrogen.

INCOMPATIBILITY (Materials to avoid): Strong oxidizers.

CONDITIONS TO AVOID: None Known

SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilate area. Remove sources of spark or flame. Remove with inert absorbent.

WASTE DISPOSAL: Dispose in accordance with local, state and federal regulations. This product is not a hazardous waste under RCRA regulations (40 CFR 261).

SECTION VIII – SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: If exposure to spray mists, wear NIOSH approved organic vapor/particulate respirator. In case of poor ventilation, use NIOSH approved organic vapor mask.

VENTILATION: Sufficient to keep vapor concentration below limits in section II.

PROTECTIVE GLOVES: Protective gloves required for direct contact.

EYE PROTECTION: Safety goggles.

OTHER PROTECTIVE EQUIPMENT: No special requirements.

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING: Do not get in eyes. Avoid prolonged or repeated contact with skin or breathing concentrated vapors. Do not take internally.

OTHER PRECAUTIONS: Do not open drums in unventilated areas.