

MMA SYSTEM BASECOAT & TONERS

Unusual fire & explosion hazards: When heated

Manufacturer

Multi-Tech Products
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Product

BASECOAT AND TONERS

All colors, Clear & Toners

DOT Hazard Class: Flammable Liquid-PAINT UN1263

Hazardous Material Identification Section:

H = 2, F = 3, R = O Date Printed 10/11/05

HAZARDOUS INGREDIENTS (See ingredients listed by product code)

<u>Ingredients</u>	<u>CAS Number</u>	<u>Vapor Pressure (20° C)</u>	<u>Weight Percent</u>	<u>Exposure Limits</u>
Acetone	67-64-1	8.0	4%	750.0ppm-A 750.0ppm-A 1000.0ppm-A 15 min (STEL) 1000.0ppm-O 15 min (STEL)
Acrylic Polymer	9011-14-7	None	30%	None-A None-O
Alkyd Polymer	67922-67-2	None	3%	None-A None-O
Menthyl ethyl ketone	78-93-3	71.0	10-15%	200.0ppm-A 200.0ppm-O 300.0ppm-A 15 min (STEL) 300.0ppm-O 15 min (STEL)
Toluene	108-88-3	36.7	45-50%	100.0ppm-A 100.0ppm-O 150.0ppm-A 15 min (STEL) 150.0ppm-O 15 min (STEL)
Xylene	1330-20-7	25.0	12%	100.0ppm-A 100.0ppm-O 150.0ppm-A 15 min (STEL) 150.0ppm-O 15 min (STEL)

A=ACGIH TLV, O=OSHA,D= internal limit,
S=Supplier Furnished Limit, STEL= Short Term Exposure (15mins.),
C=Ceiling

PHYSICAL DATA

Evaporation rate – Slower than ether
Vapor density – Heavier than air
Solubility of solvent system in water – Miscible
Percent volatile by volume – 57% to 84%
Percent volatile by weight – 40% to 79%
Boiling range – 54°C to 225°C/ 129°F - 437°F
Gallon weight – 7.55 to 10.89 lbs./gallon

FIRE & EXPLOSION DATA

Flash point(Closed Cup) 73°F
Approx. flammable limits: 0.2% - 36.5%
Extinguishing media: Water spray, foam, carbon dioxide, dry chemical.
Special fire fighting procedures: Full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to cool closed containers prevent pressure build up.

above the flash point, emits flammable vapors, which when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

HEALTH HAZARD DATA

General Effects:

Ingestion: Gastrointestinal distress. In the unlikely event of ingestion, call a physician immediately and have names of ingredients available.

Inhalation: May cause nose and throat irritation. Repeated and prolonged overexposure to solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness and loss of coordination are signs that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists, or occurs later, consult a physician.

Skin or eye contact: May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. In case of eye contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

Specific Effects:

Titanium Dioxide: In a lifetime inhalation test, lung cancers were found in some rats exposed to 250mg/m³ respirable titanium dust. Analysis of the titanium dioxide concentrations in the rat's lungs showed that the lung clearance mechanism was overwhelmed and that the results at the massive 250mg/m³ level are not relevant to the workplace.
Toluene: Recurrent overexposure may result in liver and kidney injury. High airborne levels have produced irregular heart beats in animals and occasional palpitations in humans. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown.

Xylene: High concentrations have caused embryotoxic effects in laboratory animals. Recurrent overexposure may result in liver and kidney injury. Can be absorbed through the skin in harmful amounts.

REACTIVITY DATA

Stability - Stable
Incompatibility(materials to avoid) - None reasonably foreseeable.
Hazardous decomposition products – CO, CO₂, smoke.
Hazardous polymerization – Will not occur.

SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Ventilate area. Remove sources of ignition. Prevent skin contact and breathing vapor wear properly fitted vapor/particulate respirator (NIOSH/MSHA TC-23C). Confine and remove with inert absorbent.
Waste Disposal method: Do not allow material to contaminate ground water systems.
Incinerate absorbed material in accordance with federal, state, and local requirements. Do

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not incinerate in closed containers.

SPECIAL PROTECTION INFORMATION

Respiratory: Do not breathe vapors or mists.

Wear a properly fitted vapor/particulate respirator approved by NIOSH/MSHA (TC-23C) for use with paints during application and until all vapors and spray mists are exhausted. In confined spaces, or in situations where continuous spray operations are typical, or if proper respirator fit is not possible, wear a positive-pressure, supplied-air respirator (NIOSH/MSHA TC-19C). In all cases, follow the respirator manufacturers directions for respirator use. Do not permit anyone without protection in the painting area.

Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants to below applicable OSHA requirements.

Protective Clothing: Neoprene gloves and coveralls are recommended.

Eye protection: Desirable in all industrial situations. Include splash guards or side shields.

SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame. Close container after each Ground containers when pouring. Wash thoroughly after handling and before eating or Smoking. Do not store above 120 deg. F. Other precautions: Do not sand, flame cut, braze or weld dry coating without NIOSH/MSHA Approved respirator or appropriate ventilation.

Other Information:**Section 313 Supplier Notification:**

This product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

Notice: The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or in any process.

“The following notice is required by California Proposition 65. ‘Warning: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.’”