

Bomanite Micro-Top Tint Pack Azo Yellow



Material Safety Data Sheet

Bomanite LLC
34501 East Quincy Ave. Building 28
Watkins, CO 80137

HMIS Ratings

Health: 2
Flammability: 0
Reactivity: 0
Personal Protection See VII
Equipment:

**Emergency Telephone Number:
Chemtrec: (800) 424-9300**

Notice: The following information is accurate to the best of our knowledge and is offered in good faith. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in specific context of the intended use and determine whether they are appropriate.

I. IDENTIFICATION

Product Name: Bomanite Micro-Top Tint Pack Azo Yellow
Synonymous: N/A
Chemical Family: N/A
Chemical Formula: Proprietary
D.O.T. Hazard Class: Not regulated
Appearance & Odor: Yellow liquid, slight ammonia odor.

II. HAZARDOUS COMPONENTS & EXPOSURE LIMITS

Composition	%	OSHA TWA	ACGIH TLV	CAS NO.
CI Pigment Yellow 74	40-60	Not established	Not established	6358-31-2

III. TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1): 1.0
Boiling Point: >212 °F (100 °C)
Melting Point: N/A
Vapor Pressure: 17.5mm Hg @ 68 °F (20 °C)
Vapor Density: N/A
Evaporation Rate: <1.0
Solubility In Water: Dispersible

IV. FIRE EXPLOSION & REACTIVITY DATA

Flash Point: > 212 °F (100 °C)
Flammable Limits: N/A
Firefighting Media: Water, carbon dioxide, and foam

Firefighting Procedure: Positive pressure, self-contained breathing apparatus. Toxic vapors are emitted in a fire condition.

Special Firefighting Procedure:	N/A
Unusual Fire Hazards:	N/A
Reactivity:	Stable
Incompatibilities:	None.
Decomposition or Byproducts:	Oxides of carbon, oxides of nitrogen, metal oxide fumes.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	None.

V. **HEALTH HAZARD DATA**

Inhalation:	Exposure to vapors or mist, generated at higher temperatures, may cause drowsiness and headache.
Skin Contact:	Prolonged or repeated contact causes mild skin irritation.
Eye Contact:	Causes eye irritation.
Ingestion:	May cause pain, nausea, vomiting and diarrhea.
Health Hazards:	Causes eye irritation. Prolonged or repeated exposure may cause skin irritation. Causes respiratory tract irritation, may result in dizziness and drowsiness. May cause irritation to the mouth, throat and stomach.
Aggravated Medical Conditions:	Eye, dermal, respiratory ailments; blood, kidney and liver disorders.
Carcinogenicity:	This product does not contain 0.1% or more of any substance that is listed as a carcinogen by NTP, IARC or OSHA.

Emergency and First Aid Procedures

Inhalation:	Move person to fresh air. Aid in breathing if necessary, and get immediate medical attention.
Skin Contact:	Flush skin with large amounts of water. If irritation persists, get medical attention.
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
Ingestion:	Get medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.

VI. **SPILL PROCEDURES & WASTE DISPOSAL**

Spill:	Contain spillage. Soak up spill using an absorbent material. Scoop into a suitable container.
Waste Disposal:	Dispose of in accordance with Federal, State and Local regulations.
Precautions for Safe Handling And Storage:	Keep container closed; keep from freezing.
Other Precautions:	N/A

VII. PROTECTIVE CONTROL MEASURES

Respirator:	Use approved respiratory protection if exposure limits are exceeded, or overuse is likely.
Ventilation:	General ventilation. Local exhaust ventilation as necessary to control dust, mist, vapor or fumes.
Special:	Avoid breathing vapors and mist.
Protective Gloves:	Rubber or neoprene gloves.
Eye Protection:	Safety glasses with side shields.
Other Protective Clothing Required:	Long sleeve shirts and trousers.

Work/Hygiene Practices

Wash hands after use and before eating, drinking or smoking.

Bomanite Micro-Top Tint Pack Black Iron Oxide



Material Safety Data Sheet

The Bomanite Company
8789 Auburn Folsom Rd. #108
Granite Bay, CA 95746

HMIS Ratings

Health: 2
Flammability: 0
Reactivity: 0
Personal Protection See VII
Equipment:

Emergency Telephone Number:
Chemtrec: (800) 424-9300

Notice: The following information is accurate to the best of our knowledge and is offered in good faith. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in specific context of the intended use and determine whether they are appropriate.

I. IDENTIFICATION

Product Name: Bomanite Micro-Top Tint Pack Black Iron Oxide
Synonymous: N/A
Chemical Family: N/A
Chemical Formula: Proprietary
D.O.T. Hazard Class: Not regulated
Appearance & Odor: Black liquid, slight ammonia odor.

II. HAZARDOUS COMPONENTS & EXPOSURE LIMITS

Composition	%	OSHA TWA	ACGIH TLV	CAS NO.
CI Pigment Black 11	40-60	Not established	Not established	12227-89-3
CI Pigment Black 7	1-10	3.5 mg/m ³	3.5 mg/m ³	1333-86-4

III. TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1): 1.98
Boiling Point: >212 °F (100 °C)
Melting Point: N/A
Vapor Pressure: 17.5mm Hg @ 68 °F (20°C)
Vapor Density: N/A
Evaporation Rate: <1.0
Solubility In Water: Dispersible

IV. FIRE EXPLOSION & REACTIVITY DATA

Flash Point: >212 °F (100 °C)
Flammable Limits: N/A
Firefighting Media: Water, carbon dioxide, and foam.

Firefighting Procedure:	Positive pressure, self-contained breathing apparatus. Wear full protective clothing. Toxic vapors are emitted in a fire condition.
Special Firefighting Procedure:	N/A
Unusual Fire Hazards:	N/A
Reactivity:	Stable.
Incompatibilities:	None.
Decomposition or Byproducts:	Oxides of carbon, oxides of nitrogen, metal oxide fumes.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	None.

V. **HEALTH HAZARD DATA**

Inhalation:	Exposure to vapors or mist, generated at higher temperatures, may cause drowsiness and headache.
Skin Contact:	Prolonged or repeated contact causes mild skin irritation.
Eye Contact:	Causes eye irritation.
Ingestion:	May cause pain, damage, vomiting and diarrhea.
Health Hazards:	Cancer hazard. Not a hazard in wet form. Prolonged or repeated exposure may cause eye and skin irritation. May cause irritation of the mouth, throat and stomach.
Aggravated Medical Conditions:	Eye, dermal and respiratory ailments; blood, kidney and liver disorders.
Carcinogenicity:	IARC: CI Pigment Black 7 The primary route of potential human exposure is by the inhalation of Respirable airborne particles. Since this material is in a liquid form, it is not expected to pose a cancer risk unless it is allowed to dry.

Emergency and First Aid Procedures

Inhalation:	Move person to fresh air. Aid in breathing if necessary, and get immediate medical attention.
Skin Contact:	Flush skin with large amounts of water. If irritation persists, get medical attention.
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
Ingestion:	Get medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.

VI. SPILL PROCEDURES & WASTE DISPOSAL

Spill: Contain spillage. Soak up spill using an absorbent material. Scoop into a suitable container.

Waste Disposal: Dispose of in accordance with Federal, State and Local regulations.

Precautions for Safe Handling And Storage: Keep container closed; keep from freezing.

Other Precautions: N/A

VII. PROTECTIVE CONTROL MEASURES

Respirator: Use approved respiratory protection if exposure limits are exceeded, or overuse is likely.

Ventilation: General ventilation. Local exhaust ventilation as necessary to control dust, mist, vapor or fumes.

Special: Avoid breathing vapors and mist.

Protective Gloves: Rubber or neoprene gloves.

Eye Protection: Safety glasses with side shields.

Other Protective Clothing Required: Long sleeve shirts and trousers.

Work/Hygiene Practices

Wash hands after use and before eating, drinking or smoking.

Bomanite Micro-Top Tint Pack Titanium Dioxide White



Material Safety Data Sheet

The Bomanite Company
8789 Auburn Folsom Rd. #108
Granite Bay, CA 95746

HMIS Ratings

Health: 2
Flammability: 0
Reactivity: 0
Personal Protection See VII
Equipment:

Emergency Telephone Number:
Chemtrec: (800) 424-9300

Notice: The following information is accurate to the best of our knowledge and is offered in good faith. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in specific context of the intended use and determine whether they are appropriate.

I. IDENTIFICATION

Product Name: Bomanite Micro-Top Tint Pack Titanium Dioxide White
Synonymous: N/A
Chemical Family: N/A
Chemical Formula: Proprietary
D.O.T. Hazard Class: Not regulated
Appearance & Odor: White liquid, slight ammonia odor.

II. HAZARDOUS COMPONENTS & EXPOSURE LIMITS

Composition	%	OSHA TWA	ACGIH TLV	CAS NO.
Titanium Dioxide	60-75	10 mg/m ³ (Total Dust) 5 mg/m ³ (Respirable Dust)	10 mg/m ³ (Total Dust)	13463-67-7
Diethylene Glycol	5-10	Not established	Not established	111-46-6
Calcium Carbonate	1-5	15 mg/m ³ (Total Dust) 5 mg/m ³ (Respirable Dust)	10 mg/m ³	1317-65-3

III. TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1): 1.5 - 2
Boiling Point: 212 °F (100 °C)
Melting Point: N/A
Vapor Pressure: 17.5mm Hg @ 68 °F (20 °C)
Vapor Density: N/A
Evaporation Rate: <1.0
Solubility In Water: Dispersible

IV. FIRE EXPLOSION & REACTIVITY DATA

Flash Point: N/A
Flammable Limits: N/A
Firefighting Media: Water, carbon dioxide, and foam.

Firefighting Procedure:	Positive pressure, self-contained breathing apparatus. Wear full protective clothing. Toxic vapors are emitted in a fire condition.
Special Firefighting Procedure:	N/A
Unusual Fire Hazards:	N/A
Reactivity:	Stable.
Incompatibilities:	None.
Decomposition or Byproducts:	Oxides of carbon.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	None.

V. HEALTH HAZARD DATA

Inhalation:	Exposure to vapors or mist, generated at higher temperatures, may cause drowsiness and headache. Inhalation of vapor and/or mist may be significant if material is heated, agitated or sprayed.
Skin Contact:	Prolonged or repeated contact causes mild skin irritation.
Eye Contact:	May cause severe irritation. Causes redness, tearing and blurred vision.
Ingestion:	May cause tissue damage. May cause central nervous system effects. May cause liver and kidney damage. May be fatal if swallowed.
Health Hazards:	May cause severe eye irritation. Prolonged or repeated exposure may cause skin irritation, gastrointestinal disorders.
Chronic Health Hazards:	May cause liver and kidney damage. May cause formation of bladder stones. May cause bladder cancer.
Overexposure Effects:	Gastrointestinal system disorders, central nervous system damage. Causes respiratory tract irritation, may result in dizziness and drowsiness.
Aggravated Medical Conditions:	Kidney disorders. Liver disorders. Neurological ailments.
Carcinogenicity:	This product does not contain 0.1% or more of any substance that is listed as a carcinogen by NTP, IARC or OSHA.

Emergency and First Aid Procedures

Inhalation:	Move person to fresh air. Aid in breathing if necessary, and get immediate medical attention.
-------------	---

Skin Contact: Flush skin with large amounts of water. If irritation persists, get medical attention.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Ingestion: Get medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.

VI. SPILL PROCEDURES & WASTE DISPOSAL

Spill: Contain spillage. Neutralize with sodium bicarbonate, soda ash or lime. Soak up spill using an absorbent material. Scoop into a suitable container.

Waste Disposal: Dispose of in accordance with Federal, State and Local regulations.

Precautions for Safe Handling And Storage: Keep container closed; keep from freezing.

Other Precautions: N/A

VII. PROTECTIVE CONTROL MEASURES

Respirator: Use approved respiratory protection if exposure limits are exceeded, or overuse is likely.

Ventilation: General ventilation. Local exhaust ventilation as necessary to control dust, mist, vapor or fumes.

Special: Avoid breathing vapors and mist.

Protective Gloves: Rubber or neoprene gloves.

Eye Protection: Safety glasses with side shields.

Other Protective Clothing Required: Long sleeve shirts and trousers.

Work/Hygiene Practices

Wash hands after use and before eating, drinking or smoking.

Bomanite Micro-Top Tint Pack Toluidine Red YS



Material Safety Data Sheet

The Bomanite Company
8789 Auburn Folsom Rd. #108
Granite Bay, CA 95746

HMIS Ratings

Health: 2
Flammability: 0
Reactivity: 0
Personal Protection See VII
Equipment:

Emergency Telephone Number:
Chemtrec: (800) 424-9300

Notice: The following information is accurate to the best of our knowledge and is offered in good faith. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in specific context of the intended use and determine whether they are appropriate.

I. IDENTIFICATION

Product Name: Bomanite Micro-Top Tint Pack Toluidine Red YS
Synonymous: N/A
Chemical Family: N/A
Chemical Formula: Proprietary
D.O.T. Hazard Class: Not regulated
Appearance & Odor: Red liquid, slight ammonia odor.

II. HAZARDOUS COMPONENTS & EXPOSURE LIMITS

Composition	%	OSHA TWA	ACGIH TLV	CAS NO.
CI Pigment Red 3	45-55	Not established	Not established	2425-85-6
Ammonium Hydroxide*	<1	35ppm (as ammonia) STEL	35ppm (as ammonia) STEL 25ppm (as ammonia)	1336-21-6

* Denotes reportable chemicals pursuant to SARA Title III, Section 313.

III. TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1): > 1
Boiling Point: >212 °F (100 °C)
Melting Point: N/A
Vapor Pressure: 17.5mm Hg @ 68 °F (20°C)
Vapor Density: N/A
Evaporation Rate: <1.0
Solubility In Water: Dispersible

IV. FIRE EXPLOSION & REACTIVITY DATA

Flash Point: >212 °F (100 °C)
Flammable Limits: N/A
Firefighting Media: Water, carbon dioxide, and foam.

Firefighting Procedure:	Positive pressure, self-contained breathing apparatus. Wear full protective clothing. Toxic vapors are emitted in a fire condition.
Special Firefighting Procedure:	N/A
Unusual Fire Hazards:	N/A
Reactivity:	Stable.
Incompatibilities:	None.
Decomposition or Byproducts:	Oxides of carbon, oxides of nitrogen, metal oxide fumes.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	None.

V. HEALTH HAZARD DATA

Inhalation:	Exposure to vapors or mist, generated at higher temperatures, may cause drowsiness and headache.
Skin Contact:	Prolonged or repeated contact causes mild skin irritation.
Eye Contact:	Causes eye irritation.
Ingestion:	May cause pain, damage, vomiting and diarrhea.
Health Hazards:	Causes eye irritation. Prolonged or repeated exposure may cause skin irritation, respiratory tract irritation. May result in dizziness and drowsiness. May cause irritation of the mouth, throat and stomach.
Aggravated Medical Conditions:	Eye, dermal, respiratory ailments; blood, kidney and liver disorders.
Carcinogenicity:	This product does not contain 0.1% or more of any substance that is listed as a carcinogen by NTP, IARC or OSHA.

Emergency and First Aid Procedures

Inhalation:	Move person to fresh air. Aid in breathing if necessary, and get immediate medical attention.
Skin Contact:	Flush skin with large amounts of water. If irritation persists, get medical attention.
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
Ingestion:	Get medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.

VI. SPILL PROCEDURES & WASTE DISPOSAL

Spill:	Contain spillage. Soak up spill using an absorbent material. Scoop into a suitable container.
Waste Disposal:	Dispose of in accordance with Federal, State and Local regulations.
Precautions for Safe Handling And Storage:	Keep container closed; keep from freezing.
Other Precautions:	N/A

VII. PROTECTIVE CONTROL MEASURES

Respirator:	Use approved respiratory protection if exposure limits are exceeded, or overuse is likely.
Ventilation:	General ventilation. Local exhaust ventilation as necessary to control dust, mist, vapor or fumes.
Special:	Avoid breathing vapors and mist.
Protective Gloves:	Rubber or neoprene gloves.
Eye Protection:	Safety glasses with side shields.
Other Protective Clothing Required:	Long sleeve shirts and trousers.

Work/Hygiene Practices

Wash hands after use and before eating, drinking or smoking.

Bomanite Micro-Top Tint Pack Toluidine Red



Material Safety Data Sheet

The Bomanite Company
8789 Auburn Folsom Rd. #108
Granite Bay, CA 95746

HMIS Ratings

Health: 2
Flammability: 0
Reactivity: 0
Personal Protection See VII
Equipment:

**Emergency Telephone Number:
Chemtrec: (800) 424-9300**

Notice: The following information is accurate to the best of our knowledge and is offered in good faith. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in specific context of the intended use and determine whether they are appropriate.

I. IDENTIFICATION

Product Name: Bomanite Micro-Top Tint Pack Toluidine Red
Synonymous: N/A
Chemical Family: N/A
Chemical Formula: Proprietary
D.O.T. Hazard Class: Not regulated
Appearance & Odor: Red liquid, slight ammonia odor.

II. HAZARDOUS COMPONENTS & EXPOSURE LIMITS

Composition	%	OSHA TWA	ACGIH TLV	CAS NO.
CI Pigment Red 3		Not established	Not established	2425-85-6
Diethylene Glycol	5-10	Not established	Not established	111-46-6

III. TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1): > 1, < 2
Boiling Point: 212 °F (100 °C)
Melting Point: N/A
Vapor Pressure: 17.5mm Hg @ 68 °F (20 °C)
Vapor Density: N/A
Evaporation Rate: <1.0
Solubility In Water: Miscible

IV. FIRE EXPLOSION & REACTIVITY DATA

Flash Point: N/A
Flammable Limits: N/A
Firefighting Media: Water, carbon dioxide, and foam.

Firefighting
Procedure: Positive pressure, self-contained breathing apparatus. Wear full protective clothing. Toxic vapors are emitted in a fire condition.

Special Firefighting Procedure: N/A

Unusual Fire Hazards: N/A

Reactivity: Stable.

Incompatibilities: None.

Decomposition or Byproducts: Oxides of carbon.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None.

V. HEALTH HAZARD DATA

Inhalation: Exposure to vapors or mist, generated at higher temperatures, may cause drowsiness and headache. Inhalation of vapor and/or mist may be significant if material is heated, agitated or sprayed.

Skin Contact: Prolonged or repeated contact causes mild skin irritation.

Eye Contact: May cause severe irritation. Causes redness, tearing and blurred vision.

Ingestion: May cause tissue damage. May cause central nervous system effects. May cause liver and kidney damage. May be fatal if swallowed.

Health Hazards: May cause severe eye irritation. Prolonged or repeated exposure may cause skin irritation, gastrointestinal disorders.

Chronic Health Hazards: May cause liver and kidney damage. May cause formation of bladder stones, May cause bladder cancer.

Overexposure Effects: Gastrointestinal system disorders, central nervous system damage. Causes respiratory tract irritation, may result in dizziness and drowsiness.

Aggravated Medical Conditions: Kidney disorders. Liver disorders. Neurological ailments.

Carcinogenicity: This product does not contain 0.1% or more of any substance that is listed as a carcinogen by NTP, IARC or OSHA.

Emergency and First Aid Procedures

Inhalation: Move person to fresh air. Aid in breathing if necessary, and get immediate medical attention.

Skin Contact: Flush skin with large amounts of water. If irritation persists, get medical attention.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Ingestion: Get medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.

VI. SPILL PROCEDURES & WASTE DISPOSAL

Spill: Contain spillage. Neutralize with sodium bicarbonate, soda ash or lime. Soak up spill using an absorbent material. Scoop into a suitable container.

Waste Disposal: Dispose of in accordance with Federal, State and Local regulations.

Precautions for Safe Handling And Storage: Keep container closed; keep from freezing.

Other Precautions: N/A

VII. PROTECTIVE CONTROL MEASURES

Respirator: Use approved respiratory protection if exposure limits are exceeded, or overuse is likely.

Ventilation: General ventilation. Local exhaust ventilation as necessary to control dust, mist, vapor or fumes.

Special: Avoid breathing vapors and mist.

Protective Gloves: Rubber or neoprene gloves.

Eye Protection: Safety glasses with side shields.

Other Protective Clothing Required: Long sleeve shirts and trousers.

Work/Hygiene Practices

Wash hands after use and before eating, drinking or smoking.