



NFPA Rating



HMIS Rating

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	H

**Material Safety Data Sheet**  
**Bomanite Concrete Dye SB:**  
**Tangerine**

Revision Date: 061109

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Version: 1

File Name: *Bomanite\_ConDye\_SB\_Tangerine***1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION:**Company:

The Bomanite Company  
8789 Auburn Folsom Rd. #108• Granite Bay, CA 95746  
303.369.1115

24-Hour Emergency Response Information

CHEMTREC: 800.424.9300

Chemical Family:

Confidential Color Compound

Synonyms:

Unspecified

**2. COMPOSITION/INFORMATION ON INGREDIENTS:**

<u>CAS NO.</u>	<u>Chemical Name</u>	<u>%</u>
7440-47-3	Orange CR+3 Dye Blend Complex	4-6%
67-64-1	Acetone	79-81%
64-17-5	Ethyl Alcohol	10-12%
67-63-0	Isopropyl Alcohol	0.2-2.0%

**3. HAZARD IDENTIFICATION:****Emergency overview:**

CAUTION! May be harmful if inhaled. May cause moderate eye, respiratory and skin irritation. Eye injury is possible. Material aspirated into lungs during vomiting is a medical emergency and may injure lungs. Unprotected inhalation overexposure or other absorption exposure may cause Central Nervous System (CNS) depression or narcosis. Overexposure may cause liver and kidney damage and may cause blood abnormalities.

Avoid inhalation of mists/vapors. Use local exhaust ventilation.

Wear NIOSH-approved chemical splash goggles.

Wear chemical-resistant gloves and protective clothing.

Wear a NIOSH-approved (or equivalent) organic vapor respirator.

**Potential health effects:****Primary Routes of Entry-**

Solids and liquids: Eye and skin contact, ingestion and inhalation.

Gases: Inhalation and eye contact.

Liquefied gases: Skin contact.

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### 4. FIRST-AID MEASURES:

**General advice:**

Remove victim from area of contact.

**If in eyes:**

Immediately rinse eyes for at least 15 minutes under running water, with eyelids open. Get medical attention.

**If on skin:**

Remove contaminated clothing and shoes. Immediately flush skin with water, then wash skin thoroughly soap and water. Get medical attention.

**If inhaled:**

Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get immediate medical attention.

**If swallowed:**

GET IMMEDIATE MEDICAL ATTENTION. *Do not induce vomiting unless directed to do so by emergency medical personnel.* If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.

**Note to physician:**

Unspecified.

### 5. FIRE-FIGHTING MEASURES:

**Flash point:**

-4 °F (-20 °C)

**LEL:**

2.6%

**UEL:**

12.8%

**Suitable extinguishing media:**

Water fog or spray, dry extinguishing media, CO<sub>2</sub>, foam.

Warning. Flammable! Clear fire area of unprotected personnel. Do not enter confined fire space without full turnout gear and a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

**Hazards during fire-fighting:**

Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup, which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.

**Protective equipment for fire-fighting:**

Wear NIOSH-approved self-contained breathing apparatus and full turnout gear.

### 6. ACCIDENTAL RELEASE MEASURES:

**Personal precautions:**

Caution: Combustible. Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. Contain spill and absorb. Keep product from entering storm drains. Use recommended personal protective clothing and equipment. Equipment used when handling this product must be grounded.

**Environmental precautions:**

Do not discharge into drains/surface water/groundwater/basements/confined areas. A vapor-suppressing foam may be used to reduce vapors.

**Cleanup:**

- *For small amounts of released material:* Pick up with absorbent material (e.g.: sand, sawdust, general purpose binder). Dispose of absorbed material in accordance with government regulations.

- *For large amounts of released material:* Pump off product.

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### 7. HANDLING and STORAGE:

#### **Handling:**

##### **General advice-**

No specific measures necessary provided product and recommended protective clothing/equipment are used correctly.

#### **Storage:**

##### **General advice-**

Store in tightly closed, properly vented containers away from direct sunlight, heat, sparks, open flames and strong oxidizing agents. If exposed to air, product may absorb water, which can cause material to degrade or to become contaminated. Do not allow product to freeze.

### 8. EXPOSURE CONTROLS and PERSONAL PROTECTION:

#### **Advice on system design:**

Provide local exhaust ventilation to control vapors/mist.

#### **Personal protective equipment (HMIS rating 'H'):**

Eye protection: Chemical splash goggles.

Skin protection: Chemical-resistant gloves. Wear protective clothing to minimize skin contact.

Respiratory protection: NIOSH-approved vapor respirator.

General safety and hygiene measures: Handle in accordance with good industrial hygiene and safety practices. Due to the coloring properties of the product, closed work clothes should be worn to avoid stains during manipulation/installation. Wash soiled clothing immediately.

#### **Other protective measures:**

Nearby running water is necessary on the job site should an accident occur.

#### **Exposure Guidelines:**

ACGIH TLV: 500 ppm  
STEL: 750 ppm  
OSHA PEL: 1,000 ppm TWA

### 9. PHYSICAL and CHEMICAL PROPERTIES:

Form:	Liquid
Odor:	Sweet
Color:	Specified
pH value:	Unspecified
Solvent content:	90-92%
Total solids/Non-volatiles:	4-6%
Total VOC:	N/A
Solvents by weight:	89-93%
Specific gravity:	Unspecified
Solidification temperature:	Unspecified
Freezing/Melting point:	Unspecified (do not allow product to freeze)
Boiling point:	133 °F (56 °C)
Vapor density:	2.0
Vapor pressure:	185 mm Hg @ 68 °F (20 °C)
Evaporation Rate:	7.7 (Butyl Acetate=1)
Solubility in water:	Miscible

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### 10. STABILITY and REACTIVITY:

**Conditions to avoid:**

All ignition sources, heat and other incompatibles.

**Substances to avoid:**

Strong oxidizing agents, acids and alkalis.

**Hazardous reactions:**

No hazardous reactions when stored and handled according to instructions. Product is chemically stable.

**Decomposition products:**

Burning can produce carbon monoxide, carbon dioxide, nitrogen, sulfur or other toxic, or possibly harmful, fumes.

**Corrosion to metals:**

No corrosive effect on metal.

### 11. TOXICOLOGY INFORMATION:

**Acute Toxicity:**

**Oral:**

Unspecified

**Eye irritation:**

Moderate irritant.

**Skin irritation:**

Moderate irritant.

**Inhalation:**

Harmful if inhaled. Moderate irritant.

**Sensitization:**

Skin: Not established. Respiratory: Not established.

**Chronic Toxicity:**

**Other information:**

Overexposure may damage kidneys or liver and may cause blood abnormalities. Unprotected inhalation overexposure or other absorption exposure may cause Central Nervous System (CNS) depression.

### 12. ECOLOGICAL INFORMATION:

**Biodegradation:**

Test method:

Unspecified

Analysis method:

Unspecified

Degree of elimination:

Unspecified

**Environmental toxicity:**

**Acute and prolonged toxicity to fish:**

Unspecified

**Toxicity to microorganisms:**

Unspecified

**Other ecotoxicological advice:**

Unspecified

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### 13. DISPOSAL CONSIDERATIONS:

**Waste disposal of substance:**

Dispose of in accordance with local, state and federal regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA (EPA regulations for hazardous waste).

**Container disposal:**

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

**RCRA:**

None.

### 14. TRANSPORTATION INFORMATION:

**Land transportation:**

US DOT Shipping Class: Paint, 3, UN1263, II

**Sea transportation:**

IMDG: Unspecified

**Air transportation:**

IATA/ICAO: Unspecified

### 15. REGULATORY INFORMATION:

**Federal Regulations:**

Registration status:

TSCA, US Unspecified

OSHA hazard category: 29 CFR 1910.1200 and related appendices (unprotected contact)

SARA hazard category (EPCRA 311/312):  
Immediate health hazard

CAS Number:

7440-47-3

67-64-1

64-17-5

67-63-0

Chemical Name:

Orange CR+3 Dye Blend Complex

Acetone

Ethyl Alcohol

Isopropyl Alcohol

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### 16. OTHER INFORMATION:

#### **NFPA Rating:**

Health: 2                      Fire: 3  
Reactivity: 0                Special Hazard: none

#### **HMIS III Rating:**

Health: 2                      Flammability: 3  
Physical Hazard: 0        Personal Protection: H (chemical splash goggles, chemical-resistant gloves, protective clothing and vapor respirator)

*Both NFPA and HMIS III rating systems use a numbering scale that ranges from 0 to 4 to indicate the degree of hazard. A value of zero means the substance possesses no hazard while a value of four indicates high hazard.*

*HMIS III personal protection ratings A-K are specified by HMIS, while ratings L-Z are specified by this manufacturer- please review section 8 for specific safety equipment recommended for use with this product.*

#### **Reason for Revision:**

Address Change.

#### **Reviewed:**

DP/061109

#### **Local Contact Information:**

The Bomanite Company  
303.369.1115 (8 a.m. to 5 p.m., M-F, MST)  
info@bomanite.com

#### **24-Hour Emergency Response Information:**

CHEMTREC: 800.424.9300

**Notice:** While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for user guidance only. Many factors may affect processing or application/use, Bomanite Corporation recommends user-tests to determine suitability for a particular purpose, prior to use. In no case shall descriptions, designs, data or information provided be considered a part of the terms or conditions of sale. Further, the user expressly understands and agrees that Bomanite Company assumes no obligation or liability for the descriptions, designs, data or information given or results obtained as all such being given and accepted at users own risk.

**Warranty:** This product is warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. Seller's and manufacturer's obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective. The user assumes all other risks and liabilities resulting from use of this product. If you have any questions, please contact Bomanite Company.