

**Material Safety Data Sheet****Material Name: TB-BLUE****ID: TBA-001****\*\*\* Section 1 - Chemical Product and Company Identification \*\*\*****Chemical Name: OPTIBLUE™**

JVR Enterprises, LLC  
 810 Meramec Station Rd.  
 St. Louis, MO 63088

Phone - (636) 529-0922

Fax - (314) 966-5516

**\*\*\* Section 2 - Composition / Information on Ingredients \*\*\***

CAS #	Component	Stability
Not Available	Non-hazardous components	Stable

**Component Information/Information on Non-Hazardous Components**

This product contains no known hazardous ingredients as defined under 29 CFR 1910.1200 (Hazard Communication).

**\*\*\* Section 3 - Hazards Identification \*\*\*****Emergency Overview**

This product is found in the form of a viscous, brown-yellow liquid. This product may be irritating to the eyes and respiratory system. Protect eyes, skin, and mucous membranes.

**Potential Health Effects: Eyes**

This product may cause some eye irritation, with stinging, redness or tearing.

**Potential Health Effects: Skin**

No skin irritation can be expected from single short-term exposure to this product. Prolonged or repeated contact may produce some irritation. may cause skin to fluoresce under fluorescent light.

**Potential Health Effects: Ingestion**

Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Potential Health Effects: Inhalation**

Excessive inhalation of processing mists or vapors from this material may cause headache, dizziness, nausea and incoordination.

**Medical Conditions Aggravated by Exposure**

Chronic respiratory or skin conditions may temporarily worsen from exposure to this product.

**HMIS Ratings: Health: 1 Fire: 1 Reactivity: 0 Pers. Prot.: safety glasses/gloves**

**Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard**

**\*\*\* Section 4 - First Aid Measures \*\*\*****First Aid: Eyes**

In case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical advice. If irritation persists get medical attention.

**First Aid: Skin**

For skin contact, promptly wash with soap and water. If irritation develops, get medical attention.

**First Aid: Ingestion**

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting unless instructed to do so by medical personnel.

## Material Safety Data Sheet

**Material Name: TB-BLUE**

**ID: TBA-001**

### First Aid: Inhalation

If inhaled, remove immediately to fresh air. If symptoms develop or persist, seek immediate medical attention.

### First Aid: Notes to Physician

Provide general supportive measures and treat symptomatically.

### \*\*\* Section 5 - Fire Fighting Measures \*\*\*

**Flash Point:** None

**Method Used:** Not applicable

**Upper Flammable Limit (UFL):** None

**Lower Flammable Limit (LFL):** None

**Auto Ignition:** Not applicable

**Flammability Classification:** N.D.

**Rate of Burning:** N.D.

### General Fire Hazards

Do not store or mix with oxidizers. Fire fighters should wear full protective clothing and SCBA when potential for exposure to products of combustion exists. On burning, carbon, nitrogen and sulfur can be evolved.

### Hazardous Combustion Products

Decomposition of this product may carbon monoxide, carbon dioxide, oxides of sulfur, and nitrogen and/or low molecular weight hydrocarbons.

### Extinguishing Media

Use any media suitable for the surrounding fires.

### Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear. Firefighters should avoid inhaling any combustion products.

**NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0**

**Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe**

### \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Containment Procedures

Stop the flow of material.

### Clean-Up Procedures

Shovel the material into waste container. Surfaces may become slippery after spillage. If it cannot be reused, place in covered container for disposal. Absorb spilled material with nonflammable inert absorbent.

### Evacuation Procedures

None necessary.

### Special Procedures

None necessary.

### \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures

Avoid getting this material into contact with your skin and eyes. Avoid breathing vapors or mists of this product. Use this product with adequate ventilation. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

### Storage Procedures

Keep this material in a cool, well-ventilated place. Avoid freezing.

### \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

**Material Safety Data Sheet****Material Name: TB-BLUE****ID: TBA-001****Exposure Guidelines****A: Acute Effects:** LD50 (oral, rat) >2000 mg/kg (estimated)**B: General Product Information**

No exposure limits established for the product. Keep formation of mists or vapors to a minimum.

**C: Component Exposure Limits**

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

**Engineering Controls**

Under normal handling and use conditions of this product, exposure to hazardous ingredients is unlikely due to product form.

**PERSONAL PROTECTIVE EQUIPMENT****Personal Protective Equipment: Eyes/Face**

Wear safety glasses; chemical splash goggles.

**Personal Protective Equipment: Skin**

Wear rubber gloves

**Personal Protective Equipment: Respiratory**

Under normal conditions, respirator is not normally required but suggested.

**Personal Protective Equipment: General**

Use good industrial hygiene practices in handling this material.

**\*\*\* Section 9 - Physical & Chemical Properties \*\*\*****Appearance:**Viscous, brown-yellow**Odor:**None**Physical State:**Liquid**pH:**9-10**Vapor Pressure:**Not available**Vapor Density:**Not available**Boiling Point:**(°C) (ca 100)**Melting Point:**(°C) (< 10)**Solubility (H2O):**Miscible**Specific Gravity:**1**Physical Properties: Additional Information**

None identified.

**\*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*****Chemical Stability**

Stable under normal conditions.

**Chemical Stability: Conditions to Avoid**

None identified.

**Incompatibility**

This product may react strong oxidizing agents.

**Hazardous Decomposition**

Decomposition of this product may carbon monoxide, carbon dioxide, oxides of sulfur, and nitrogen and/or low molecular weight hydrocarbons.

**Hazardous Polymerization**

Hazardous polymerization will not occur.

## Material Safety Data Sheet

Material Name: TB-BLUE

ID: TBA-001

### \*\*\* Section 11 - Toxicological Information \*\*\*

#### Acute and Chronic Toxicity

##### A: General Product Information

LD50 (oral, rat) &gt;2000 mg/kg (estimated)

##### B: Component Analysis - LD50/LC50

LD50 (oral, rat) &gt;2000 mg/kg (estimated)

#### Carcinogenicity

##### A: General Product Information

No OSHA hazardous components. Not known to be a carcinogen, teratogen or mutagen.

##### B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

#### Epidemiology

No data available for this product.

#### Neurotoxicity

No data available for this product.

#### Mutagenicity

No data available for this product.

#### Teratogenicity

No data available for this product.

#### Other Toxicological Information

None available.

### \*\*\* Section 12 - Ecological Information \*\*\*

#### Ecotoxicity

##### A: General Product Information

No data available for this product.

##### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

#### Environmental Fate

No data available for this product.

### \*\*\* Section 13 - Disposal Considerations \*\*\*

#### US EPA Waste Number & Descriptions

##### A: General Product Information

Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA. Wastes should be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of a hazardous waste. Do not discharge into drains or waterways.

##### B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

#### Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

### \*\*\* Section 14 - Transportation Information \*\*\*

#### US DOT Information

Shipping Name: Not regulated

Hazard Class: Not classified

## Material Safety Data Sheet

Material Name: TB-BLUE

ID: TBA-001

UN/NA #: Not classified  
Packing Group: Not classified  
Required Label(s): None  
Additional Info.: None

International Transportation Regulations  
Not regulated as dangerous goods.

### \*\*\* Section 15 - Regulatory Information \*\*\*

#### US Federal Regulations

##### A: General Product Information

No additional information.

##### B: Component Analysis

None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.66), or CERCLA (40 CFR 302.4).

#### State Regulations

##### A: General Product Information

No additional information.

##### B: Component Analysis - State

None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, or PA.

##### Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

#### Additional Regulatory Information

##### A: General Product Information

No information available for the product.

### \*\*\* Section 16 - Other Information \*\*\*

#### Other Information

The information contained in this material is, to our best knowledge, true and accurate, but all recommendations or suggestions are made without guarantee, since the conditions of use are beyond our control. It is the user's responsibility to determine the safety, toxicity and suitability for his own use of the product described herein. BYRON SWETLAND disclaims any liability incurred in connection with the use of these data or suggestions.

#### Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NFPA = National Fire Protection Association; HMIS = Hazardous Material Identification System; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act

This is the end of MSDS # TBA-001