

# DBP – Moonshine Metallics

Date of issue/revision June 23, 2018 Version 3



## SAFETY DATA SHEET

### Section 1. Identification

Product name: Dixie Belle Paint – Moonshine Metallics

Product type: Liquid Paint

Product use: Coating

Company: Dixie Belle Paint Company  
8019 Ridge Rd.  
Port Richey, FL 34688

Phone: 813-909-1962

Emergency Phone CHEMTREC: 800-424-9300

### Section 2. Hazards Identification

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the Substance or mixture: CARCINOGENICITY – Category 2

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 25% (oral), 31.2% (dermal), 32.4% (inhalation)

This product contains TiO<sub>2</sub> which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many paint products, TiO<sub>2</sub> is utilized as a raw material in a liquid coating formulation. In this case, the TiO<sub>2</sub> particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO<sub>2</sub> when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8).

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## Section 2. Hazards Identification

Hazard pictograms:



Signal word:

Warning

### Precautionary statements

Prevention:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing.

Response:

If exposed or concerned: Get medical attention.

Storage:

Store locked up.

Disposal:

Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements:

◀ Contains isothiazolinones. May cause allergic reaction. Sanding and grinding dusts may be harmful if inhaled. Emits toxic fumes when heated.

Hazards not otherwise classified:

None known.

## Section 3. Composition/information on ingredients

Substance/mixture:

Mixture

**Product name:**

**Dixie Belle Paint - Moonshine Metallics**

Ingredient Name	%	CAS number
◀ Mica group minerals	≥5.0 - ≤10	12001-26-2
Kaolin	≥1.0 - ≤5.0	1332-58-7
Diiron trioxide	≥1.0 - ≤5.0	1309-37-1
Titanium dioxide	≥1.0 - ≤5.0	13463-67-7
Propane-1,2-diol	≥1.0 - ≤5.0	57-55-6
Methenamine 3-chlororallylochloride	≤1.0	4080-31-3
1,2-benzisothiazol-3(2H)-one	≤0.10	2634-33-5

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

**Occupational exposure limits, if available, are listed in Section 8.**

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## **Section 4. First aid measures**

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

### **Description of necessary first aid measures**

Eye contact:	Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
Inhalation:	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
Ingestion:	If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

### **Most important symptoms/effects, acute and delayed**

#### **Potential acute health effects**

Eye contact:	No known significant effects or critical hazards.
Inhalation:	No known significant effects or critical hazards.
Skin contact:	No known significant effects or critical hazards.
Ingestion:	No known significant effects or critical hazards.

#### **Over exposure signs/symptoms**

Eye contact:	No specific data.
Inhalation:	No specific data.
Skin contact:	No specific data.
Ingestion:	No specific data.

#### **Indication of immediate medical attention and special treatment needed, if necessary**

Notes to physician:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments:	No specific treatment.
Protection of first-aiders:	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

**See toxicological information (Section 11)**

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## Section 5. Fire Fighting Measures

### Extinguishing media

Suitable extinguishing media:

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media:

None known.

Specific hazards arising from the chemical:

In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products:

Decomposition products may include the following materials: carbon oxides, metal oxide/oxides.

Special protective actions for fire-fighters:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders:

If specialized clothing is required to deal with the spillage, take note of any of the information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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## Section 6. Accidental release measures

### Methods and materials for containment and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with a non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Special precautions: If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all its parts.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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## Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities:

Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

### Ingredient name

### Exposure limits

Mica-group minerals	ACGIH TLV (United States, 3/2017). TWA: 3 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction. OSHA PEL Z3 (United States, 6/2016). TWA: 20 mppcf 8 hours.
Kaolin	ACGIH TLV (United States, 3/2017). TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction. OSHA PEL (United States, 6/2016). TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction. TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust.
Diiron trioxide	ACGIH TLV (United States, 3/2017). TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction. OSHA PEL (United States, 6/2016). TWA: 10 mg/m <sup>3</sup> 8 hours.
Titanium dioxide	OSHA PEL (United States, 6/2016). TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust. ACGIH TLV (United States, 3/2017). TWA: 10 mg/m <sup>3</sup> 8 hours.
Propane-1,2-diol	IPEL (PPG). TWA: 10 mg/m <sup>3</sup> 8 hours.
Methenamine	
3-chloroallylochoride	None.
1,2-benzisothiazol-3(2H)-one	None.

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## Section 8. Exposure controls/personal protection

### Key to abbreviations

A = Acceptable maximum peak

ACGIH = American Conference

of Governmental Industrial Hygienists

C = Ceiling Limit

F = Fume

IPEL = Internal Permissible Exposure Limit

OSHA = Occupational Safety and Health Administration

R = Respirable

Z = OSHA 29 CFR 1910.1200 Subpart Z –

Toxic and Hazardous Substances

S = Potential skin absorption

SR = Respiratory Sensitization

SS = Skin sensitization

STEL = Short term Exposure limit values

TD = Total dust

TLV = Threshold Limit Value

TWA = Time Weighted Average

**Consult local authorities for acceptable exposure limits.**

Recommended monitoring

Procedures:

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Appropriate engineering controls:

If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

Hygiene measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection:

Safety glasses with side shields.

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## Section 8. Exposure controls/personal protection

### Skin protection

Hand protection:	Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection times of the gloves cannot be accurately estimated.
Gloves:	For prolonged or repeated handling, use the following type of gloves: Recommended: nitrile rubber, Viton®
Body protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection:	Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

## Section 9. Physical and chemical properties

Appearance	
Physical state:	Liquid.
Color:	Varies.
Odor:	Alcohol like.
Odor threshold:	Not available.
Ph:	9
Melting point:	Not available.
Boiling point:	100 ° C (212 °F)
Flash point:	Closed cup: Not applicable. [Product does not sustain combustion]
Auto-ignition:	Not available.



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## Section 9. Physical and chemical properties

Decomposition temperature:	Not available.
Flammability (solid, gas)	Not available.
Lower and upper explosive (flammable) limits:	Not available.
Evaporation rate:	0.05 (butyl acetate = 1)
Vapor pressure:	3.3k Pa (25 mm Hg) [room temperature]
Vapor density:	Not available.
Relative density:	1.12
Density (lbs / gal):	9.35
Solubility:	Partially soluble in the following materials: cold water.
Partition coefficient: n-octanol/water	Not available.
Viscosity:	Kinematic (40 °C (104 °F)): >0.21 cm <sup>2</sup> /s (21 cSt)
Volatility:	72% (v/v), 63.945% (w/w)
% Solid. (w/w):	36.055

## Section 10. Stability and reactivity

Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability:	This product is stable.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
Incompatible materials:	Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products:	Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

## Section 11. Toxicological information

Information on toxicological information

Acute toxicity

<u>Product/ingredient name</u>	<u>Result</u>	<u>Species</u>	<u>Dose</u>	<u>Exposure</u>
Kaolin	LD50 Oral	Rat	>5000 mg/kg	-
Diiron trioxide	LD50 Oral	Rat	10 g/kg	-
Titanium dioxide	LC50 Inhalation dusts & mists	Rat	>6.82 mg/l	4 hours

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## Section 11. Toxicological information

	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Propane-1,2-diol	LD50 Dermal	Rabbit	20800mg/kg	-
	LD50 Oral	Rat	20 g/kg	-
Methenamine	LD50 Dermal	Rabbit	565 mg/kg	-
3-chloroallylochloride	LD50 Oral	Rat	500 mg/kg	-
1,2-benzisothiazol-3(2H)-one	LC50 Inhalation dusts & mists	Rat	0.4 mg/l	4 hours
	LD50 Oral	Rat	1020 mg/kg	-
Conclusion/Summary:	There are no data available on the mixture itself.			
Irritation/Corrosion				
Conclusion/Summary				
Skin:	There are no data available on the mixture itself.			
Eyes:	There are no data available on the mixture itself.			
Respiratory:	There are no data available on the mixture itself.			

### Sensitization

<u>Product/ingredient name</u>	<u>Route of exposure</u>	<u>Species</u>	<u>Result</u>
1,2 benzisothiazol-3(2H)-one	skin	Guinea pig	Sensitizing

### Conclusion Summary

Skin	There are no data available on the mixture itself.
Respiratory	There are no data available on the mixture itself.
Mutagenicity	
Conclusion/Summary	There are no data available on the mixture itself.
Carcinogenicity	
Conclusion/Summary	There are no data available on the mixture itself.

### Classification

<u>Product/ingredient name</u>	<u>OSHA</u>	<u>IARC</u>	<u>NTP</u>
Diiron trioxide	-	3	-
Titanium dioxide	-	2B	-

### Carcinogen Classification Code:

IARC: 1,2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

### Reproductive toxicity

Conclusion/Summary:	There are no data available on the mixture itself.
Teratogenicity	
Conclusion/Summary:	There are no data available on the mixture itself.

### Specific target organ toxicity (repeated exposure)

Not available.

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## Section 11. Toxicological information

Target organs: Contains material which causes damage to the following organs, eyes.  
Contains material which may cause damage to the following organs: lungs, upper respiratory tract, skin, stomach.

Aspiration hazard:  
Not available.

Information on the likely routes of exposure

### Potential acute health effects

Eye contact: No known significant effects or critical hazards.  
Inhalation: No known significant effects or critical hazards.  
Skin contact: No known significant effects or critical hazards.  
Ingestion: No known significant effects or critical hazards.

### Over-exposure signs/symptoms

Eye contact: No specific data.  
Inhalation: No specific data.  
Skin contact: No specific data.  
Ingestion: No specific data.  
Delayed and immediate effects and also chronic effects from short and long-term exposure.

Conclusion/Summary

There are no data available on the mixture itself. This product contains TiO<sub>2</sub> which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many paint products, TiO<sub>2</sub> is utilized as a raw material in a liquid coating formulation. In this case, the TiO<sub>2</sub> particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO<sub>2</sub> when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8). If splashed in the eyes, liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

### Short term exposure

Potential immediate effects: There are no data available on the mixture itself.  
Potential delayed effects: There are no data available on the mixture itself.

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## Section 11. Toxicological information

### Long term exposure

Potential immediate

effects:

There are no data available on the mixture itself.

Potential delayed effects:

There are no data available on the mixture itself.

Potential chronic health effects:

General:

No known significant effects or critical hazards.

Carcinogenicity:

Suspected of causing cancer. Risk of cancer depending on duration and level of exposure.

Mutagenicity:

No known significant effects or critical hazards.

Teratogenicity:

No known significant effects or critical hazards.

Developmental effects:

No known significant effects or critical hazards.

Fertility effects:

No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

### Route

### ATE value

Oral 201218.2 mg/kg

## Section 12. Ecological information

Toxicity

<u>Product/ingredient name</u>	<u>Result</u>	<u>Species</u>	<u>Exposure</u>
Titanium dioxide	Acute LC50>100 MG/L Fresh water	Daphnia-Daphnia magna	48 hours
Methenamine 3-chloroallyochloride	Acute EC50 27 to 30 ppm Fresh water	Daphnia-Daphnia magna	48 hours
1,2-benzisothiazol-3(2H)-one	Acute LC50 20.5 to 23 ppm Fresh water Acute EC50 0.11 mg/l Chronic NOEC 0.09 mg/l	Fish-Oncorhynchus mykiss Algae Fish	96 hours 72 hours 28 days

Persistence and degradability

<u>Product/ingredient name</u>	<u>Aquatic half life</u>	<u>Photolysis</u>	<u>Biodegradability</u>
1,2-benzisothiazol-3(2H)-one	-	-	Readily

Bioaccumulative potential

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## Section 13. Disposal considerations

<u>Product/ingredient name</u>	<u>LogP ow</u>	<u>BCF</u>	<u>Potential</u>
Propane-1,2-diol	-0.92	-	low
Methenamine	-0.1	-	low
3-chloroallylochoride			
1,2-benzisothiazol-3(2H)-one	0.7	-	low

Mobility in soil

Soil/water partition:  
Coefficient (Koc) Not available

Disposal methods:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soils, waterways, drains and sewers.

Disposal should be in accordance with applicable regional national and local laws and regulations.

Refer to Section 7. HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures.

## Section 14. Transport information

	<u>DOT</u>	<u>IMDG</u>	<u>IATA</u>
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class (es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Marine pollutant			
Substances	Not applicable	Not applicable	Not applicable
Additional information			
DOT:	None identified		
IMDG:	None identified		
IATA:	None identified		

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## Section 14. Transport information

Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15. Regulatory information

United States

United states inventory (TSCA 8b): All components are listed or exempted.

United States – TSCA 5(a)2- Final significant new use rules:

Nonylphenol, ethoxylated Listed

## Section 15. Regulatory information

SARA 302/304

SARA 304 RQ: Not applicable

Composition/information on ingredients

No products were found.

SARA 311/312

Classification: Carcinogenicity – Category 2

Composition/information on ingredients

<u>Name</u>	<u>%</u>	<u>Classification</u>
Titanium dioxide	≥1.0 – ≤5.0	Carcinogenicity – Category 2
Methenamine	<1.0	Combustible dusts
3-chloroallylochoride		Acute toxicity (oral) – Category 4 Acute toxicity (dermal) – Category 3 Skin irritation – Category 2 Eye irritation – Category 2A Skin Sensitization – Category 1B
1,2-benzisothiazol-3(2H)-one	<0.10	Combustible dusts Acute toxicity (oral) – Category 4 Acute toxicity (inhalation) – Category 2 Skin irritation – Category 2 Serious eye damage – Category 1 Skin sensitization – Category 1A

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## Section 16. Other information

Hazardous Material Information System (USA)

Health: 1 \* Flammability: 0 Physical hazards: 0

(\*) – Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on MSDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® Program. HMIS® is a registered trademark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (USA)

Health: 1 Flammability: 0 Instability: 0

Date of previous issue: 5/15/2018

Organization that

Prepared the MSDS:

EHS

Key to abbreviations:

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labeling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973  
As modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

◀ Indicates information that has changed from previously issued version.

### Disclaimer

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.*