

**SECTION 1: Identification**

1.1. Identification

Product form : Mixture  
Product name : Holcobatch T-Blue 118387  
Product code : 118387

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Additives  
Colouring agents

1.3. Details of the supplier of the safety data sheet

HOLLAND COLOURS AMERICAS INC.  
1501 Progress Drive  
Richmond, Indiana 47374 - United States of America  
T 765-935-0329 - F 765-966-3376

1.4. Emergency telephone number

Emergency number : USA 1-800-424-9300 -- International/Internacional +1 703-527-3887 (Collect calls accepted / Se aceptan llamadas por cobrar)  
CHEMTREC

**SECTION 2: Hazard(s) identification**

2.1. Classification of the substance or mixture

GHS-US classification  
Not classified

2.2. Label elements

GHS-US labeling  
No labeling applicable

2.3. Other hazards

Other hazards not contributing to the classification : May form combustible dust concentrations in air.

2.4. Unknown acute toxicity (GHS US)

Not applicable

**SECTION 3: Composition/Information on ingredients**

3.1. Substance

Not applicable

3.2. Mixture

Name	Product Identifier	%	GHS-US classification
titanium dioxide	(CAS No) 13463-67-7	2.5 - 10	Carc. 2, H351

Full text of H-phrases: see section 16

**SECTION 4: First aid measures**

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).  
First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest.  
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.  
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.  
Symptoms/injuries after inhalation : May cause respiratory irritation.

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Symptoms/injuries after skin contact	: Slight irritation.
Symptoms/injuries after eye contact	: May cause slight irritation.
Symptoms/injuries after ingestion	: Not expected to be a primary route of exposure. If swallowed, seek medical advice immediately and show this container or label.
Chronic symptoms	: No specific data. This product does not present any particular risk when handled in accordance with good occupational hygiene practice.

### 4.3. Indication of any immediate medical attention and special treatment needed

If you feel unwell, seek medical advice (show the label where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: May form combustible dust concentrations in air.
Reactivity	: Stable at ambient temperature and under normal conditions of use.

### 5.3. Advice for firefighters

Firefighting instructions	: Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Do not breathe fumes from fires or vapors from decomposition.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid dust formation. Remove ignition sources. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry. Avoid contact with skin and eyes.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: No specific measures are necessary.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment	: Collect all waste in suitable and labeled containers and dispose according to local legislation.
Methods for cleaning up	: On land, sweep or shovel into suitable containers. Minimize generation of dust. Notify authorities if product enters sewers or public waters.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed	: Provide adequate ventilation to minimize dust and/or vapor concentrations. Do not breathe dust.
Precautions for safe handling	: Avoid dust formation. Do not breathe dust. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid contact with skin and eyes.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Store in a cool, well-ventilated place. Does not require any specific or particular technical measures.
Storage conditions	: Keep container closed when not in use.

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Incompatible products	: Strong bases. Strong acids. Oxidizing agent.
Incompatible materials	: Sources of ignition. Direct sunlight.
Storage temperature	: 5 - 35 °C
Heat-ignition	: No flames, no sparks. Eliminate all sources of ignition.
Storage area	: Store away from heat. Store in a well-ventilated place.
Special rules on packaging	: Store in a closed container.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

titanium dioxide (13463-67-7)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup>

#### 8.2. Exposure controls

Appropriate engineering controls	: Provide adequate ventilation to minimize dust and/or vapor concentrations.
Personal protective equipment	: Dust formation: dust mask. Gloves. Protective goggles.



Materials for protective clothing	: Effective dust mask.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
Environmental exposure controls	: Avoid release to the environment.
Consumer exposure controls	: Not applicable.
Other information	: Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Color	: characteristic
Odor	: characteristic
Odor threshold	: No data available
pH	: No data available
Melting point	: 80 - 90 °C
Freezing point	: No data available
Boiling point	: > 300 °C
Flash point	: > 310 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Specific gravity / density	: 0.97 g/cm <sup>3</sup>
Solubility	: Water: 0 %
Log Pow	: No data available

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Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable at ambient temperature and under normal conditions of use.

### 10.2. Chemical stability

Not established. Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Avoid dust formation. Overheating.

### 10.5. Incompatible materials

Strong acids, strong bases and strong oxidants.

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. fume.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Likely routes of exposure	: Skin and eye contact; Inhalation
Acute toxicity	: Not classified

titanium dioxide (13463-67-7)	
LD50 dermal rabbit	> 5000 mg/kg No irritant effect
LC50 inhalation rat (mg/l)	6.8 g/m <sup>3</sup>
ATE US (vapors)	6.800 mg/l/4h
ATE US (dust, mist)	6.800 mg/l/4h

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

(Epidemiological studies do not suggest an increased risk of cancer in humans from occupational exposure to the components of this product that are listed in IARC (International Agency for Research on Cancer) Group 2B as possibly carcinogenic to humans.)

titanium dioxide (13463-67-7)	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: May be harmful if inhaled.
Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: Slight irritation.
Symptoms/injuries after eye contact	: May cause slight irritation.

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- Symptoms/injuries after ingestion : Not expected to be a primary route of exposure. If swallowed, seek medical advice immediately and show this container or label.
- Chronic symptoms : No specific data. This product does not present any particular risk when handled in accordance with good occupational hygiene practice.

### SECTION 12: Ecological information

#### 12.1. Toxicity

- Ecology - general : No known ecological damage caused by this product.
- Ecology - air : Avoid dust formation.

<b>titanium dioxide (13463-67-7)</b>	
LC50 fish 1	> 1000 mg/l
EC50 Daphnia 1	> 100 mg/l
ErC50 (algae)	> 16 mg/l

#### 12.2. Persistence and degradability

<b>Holcobatch T-Blue 118387</b>	
Persistence and degradability	Not established.

  

<b>titanium dioxide (13463-67-7)</b>	
Persistence and degradability	Not established.

#### 12.3. Bioaccumulative potential

<b>Holcobatch T-Blue 118387</b>	
Bioaccumulative potential	Not established.

  

<b>titanium dioxide (13463-67-7)</b>	
Log Pow	Not applicable
Bioaccumulative potential	Not established.

#### 12.4. Mobility in soil

<b>Holcobatch T-Blue 118387</b>	
Ecology - soil	No data available.

#### 12.5. Other adverse effects

- Effect on the global warming : No known ecological damage caused by this product.
- Other information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

- Waste treatment methods : Collect all waste in suitable and labeled containers and dispose according to local legislation.
- Sewage disposal recommendations : Do not discharge into drains or the environment.
- Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
- Additional information : Non hazardous waste.
- Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

TDG

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

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### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

<b>1,4-bis(p-tolylamino)anthraquinone (128-80-3)</b>	
SARA Section 311/312 Hazard Classes	Fire hazard
<b>N,N'-ethylenedi(stearamide) (110-30-5)</b>	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
<b>titanium dioxide (13463-67-7)</b>	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
<b>Mica (12001-26-2)</b>	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard

#### 15.2. International regulations

##### CANADA

<b>titanium dioxide (13463-67-7)</b>	
WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

##### EU-Regulations

No additional information available

##### National regulations

<b>Holcobatch T-Blue 118387</b>	
All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory	
<b>titanium dioxide (13463-67-7)</b>	
Listed on IARC (International Agency for Research on Cancer)	
Listed on the Canadian IDL (Ingredient Disclosure List)	
<b>Mica (12001-26-2)</b>	
Listed on the Canadian IDL (Ingredient Disclosure List)	

#### 15.3. US State regulations

<b>titanium dioxide (13463-67-7)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
Yes	No	No	No	

### SECTION 16: Other information

Indication of changes	: Hazards identification. Toxicological information.
Revision date	: 09/24/2015
Other information	: None.

#### Full text of H-phrases:

Carc. 2	Carcinogenicity Category 2
H351	Suspected of causing cancer

SDS US (GHS HazCom 2012)

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