

<b>SECTION 1: Identification of the subst</b>	ance/mixture and of the company	/undertaking	
1.1. Product identifier			
Product form	: Mixture		
Trade name	: Temp-Coat 101		
1.2. Relevant identified uses of the substa	nce or mixture and uses advised against		
Use of the substance/mixture	: Ceramic insulating coating for structures,	pipes, tanks, etc.	
1.3. Details of the supplier of the safety da	ta sheet		
Manufacturer: TEMP-COAT Brand Products, LLC 17950 Fabrication Row – Unit D-8 Covington, Louisiana, USA 70435 985-875-2471			
1.4. Emergency telephone number			
Emergency number (CHEMTREC)	: 1-800-424-9300		
SECTION 2: Hazards identification			
2.1. Classification of the substance or mix	ture		
GHS-US classification			
Not classified			
2.2. Label elements			
GHS-US labelling			
No labelling applicable			
2.3. Other hazards			
other hazards which do not result in classification :	This product contains greater than 0.1% b inhalation studies in rats indicate that ther amounts of titanium dioxide is carcinogen dioxide is classified as "Group 2B (possib	e is sufficient evi ic in the lungs of	dence that inhalation of excessive experimental animals. Titanium
2.4. Unknown acute toxicity (GHS-US)			
Not applicable			
<b>SECTION 3: Composition/information</b>	on ingredients		
3.1. Substance			
Not applicable			
3.2. Mixture			
Name	Product identifier	%	GHS-US classification
Titanium dioxide	(CAS No) 13463-67-7	< 1,078	Carc. 2, H351
Full text of H-statements: see section 16			
SECTION 4: First aid measures			
4.1. Description of first aid measures			
First-aid measures after inhalation	: Remove person to fresh air and keep con medical attention.	fortable for breat	thing. If you feel unwell, seek
First-aid measures after skin contact	: Wash skin with plenty of water. Seek med	ical attention if ir	ritation develops
First-aid measures after eye contact	: Rinse eyes with water as a precaution. Ol		•
First-aid measures after ingestion	: Call a poison center or a doctor if you feel		inter a mation periode.
•			
4.2. Most important symptoms and effects Symptoms/injuries after inhalation	<ul> <li>both acute and delayed</li> <li>May cause respiratory irritation.</li> </ul>		
Symptoms/injuries after skin contact	: May cause slight irritation to the skin.		
Symptoms/injuries after eye contact	: Contact may cause eye irritation.		
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Symptoms/injuries after ingestion : Ingestion of large amounts may produce some discomfort and gastrointestinal disturbances including a laxative action.

#### Indication of any immediate medical attention and special treatment needed 4.3. Treat symptomatically. SECTION 5: Firefighting measures 5.1. **Extinguishing media** Suitable extinguishing media Water spray. Dry powder. Foam. Carbon dioxide. : Unsuitable extinguishing media Do not use a heavy water stream. · Special hazards arising from the substance or mixture 5.2. Hazardous combustion products. carbon oxides (CO and CO2). Nitrogen oxides (NOx). Fire hazard : Explosion hazard Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. The product is non-reactive under normal conditions of use, storage and transport. Reactivity 5.3. Advice for firefighters Protective equipment for firefighters Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. **SECTION 6: Accidental release measures** 6.1. Personal precautions, protective equipment and emergency procedures General measures If spilled, may cause the floor to be slippery. 6.1.1. For non-emergency personnel Protective equipment Use personal protective equipment as required. Emergency procedures Keep upwind of the spilled material and isolate exposure. Evacuate unnecessary personnel. Ventilate spillage area. 6.1.2. For emergency responders Protective equipment Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". 6.2. **Environmental precautions** Avoid release to the environment. 6.3 Methods and material for containment and cleaning up For containment Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Methods for cleaning up Take up liquid spill into absorbent material. Other information Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 8: Exposure-controls/personal protection. For disposal of residues refer to section 13: Disposal considerations".

<b>SECTION 7: Handling and storage</b>	
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, include	g any incompatibilities
Storage conditions	: Store in a well-ventilated place. Store in tightly closed, leak-proof containers. Keep cool. Keep out of direct sunlight. Avoid Freezing. Avoid high temperatures.
Incompatible materials	: Strong oxidizers. Strong acids.
Maximum storage period	: 1 year If stored indoors with no direct sunlight or wide temperature swings, storage period may be extended to 5 years
7.3. Specific end use(s)	

No additional information available



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## SECTION 8: Exposure controls/personal protection

8.1. Control parameters				
Titanium dioxide (13463-67-7)				
ACGIH	ACGIH TWA (mg/m³)	1 mg/m³		
ACGIH	Remark (ACGIH)	LRT irr; A3		
OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³		

8.2.	Exposure controls		
Appropri	ate engineering controls	:	Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Persona	l protective equipment	:	Wear protective gloves. Safety glasses. Wear suitable protective clothing.
Hand pr	otection	:	Protective gloves.
Eye prot	ection	:	Safety glasses.
	I body protection	:	Wear suitable protective clothing.
Respirat	ory protection	:	Not required for normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment.
Environr	nental exposure controls	:	Avoid release to the environment.
	ION 9: Physical and chemical		
9.1.	Information on basic physical and o	chen	
Physical		·	Liquid
Appeara	nce	:	Viscous liquid.
Colour		:	Mixture contains one or more component(s) which have the following colour(s): Colourless clear white light yellow Yellow red brown Green Blue Black brown
Odour		:	ammonia-like
Odour th	reshold	:	No data available
рН		:	8,45 - 9,5
Melting	point	:	No data available
Freezing	point	:	No data available
Boiling p	oint	:	212 ℉
Flash po	int	:	Non combustible
Relative	evaporation rate (butyl acetate=1)	:	<1
Flamma	bility (solid, gas)	:	No data available
Explosiv	e limits	:	No data available
Explosiv	e properties	:	No data available
Oxidisin	g properties	:	No data available
Vapour	pressure	:	20 mmHg @ 25℃
Relative	density	:	No data available
Relative	vapour density at 20 °C	:	<1
1/28/20	10		EN (English) 3/7



Density	: 0,622
Solubility	: Water: Soluble
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: 3500 – 7000 cP
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
9.2. Other information	
VOC content	: 0,0099 Total Volatile Matter: 45.26%
SECTION 10: Stability and reac	tivity
10.1. Reactivity	
The product is non-reactive under normal	conditions of use, storage and transport.
10.2. Chemical stability	
Stable under normal conditions. Hazardou	s polymerization will not occur.
10.3. Possibility of hazardous react	ions
No dangerous reactions known under nor	
10.4. Conditions to avoid	
	andling conditions (see section 7). Excessive heat.
10.5. Incompatible materials	
Metallic salts. hydrofluoric acid. Strong oxi	dizers.
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<b>10.6.</b> Hazardous decomposition pro	se, hazardous decomposition products should not be produced. On incomplete combustion releases : Carbon
	act with hydrofluoric acid to form a toxic gas.

<b>SECTION 11: Toxicological infor</b>	mation
11.1. Information on toxicological ef	fects
Likely routes of exposure	: Skin and eye contact; oral; Inhalation
Acute toxicity	: Not classified
	(Based on available data, the classification criteria are not met)
Temp-Coat 101	
LD50 oral rat	> 2000 ml/kg
Titanium dioxide (13463-67-7)	
LD50 oral rat	> 10000 mg/kg
Skin corrosion/irritation	: Not classified
	(Based on available data, the classification criteria are not met)
	рН: 8,45 - 9,5
Serious eye damage/irritation	: Not classified
	(Based on available data, the classification criteria are not met)
	рН: 8,45 - 9,5
Respiratory or skin sensitisation	: Not classified
	(Based on available data, the classification criteria are not met)



Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified
	(Based on available data, the classification criteria are not met. Titanium dioxide is in a form
	that is not available for respiration.)
Titanium dioxide (13463-67-7)	
IARC group	2B - Possibly carcinogenic to humans
In OSHA Hazard Communication Carcinogen list	Yes
Reproductive toxicity	: Not classified
	(Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: Not classified
	(Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure)	: Not classified
opeonie target organ toxicity (repeated exposure)	(Based on available data, the classification criteria are not met)
	(Dasca on available data, the classification entend are not met)
Aspiration hazard	: Not classified
	(Based on available data, the classification criteria are not met)
Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: May cause slight irritation to the skin.
Symptoms/injuries after eye contact	: Contact may cause eye irritation.
Symptoms/injuries after ingestion	: Ingestion of large amounts may produce some discomfort and gastrointestinal disturbances
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	including a laxative action.
SECTION 12: Ecological information	including a laxative action.
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SECTION 12: Ecological information 12.1. Toxicity Ecology - general	<ul> <li>The product is not considered harmful to aquatic organisms or to cause long-term adverse</li> </ul>
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SECTION 12: Ecological information         12.1.       Toxicity         Ecology - general       Ecology - general         12.2.       Persistence and degradability         No additional information available       Ecology - general         12.3.       Bioaccumulative potential         No additional information available       Ecology - general         12.3.       Bioaccumulative potential         No additional information available       Ecology - general         12.4.       Mobility in soil         No additional information available       Ecology - general         12.5.       Other adverse effects         Effect on the global warming       Ecology - general         SECTION 13: Disposal consideration       Ecology - general	<ul> <li>including a laxative action.</li> <li>The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.</li> <li>No additional information available</li> <li>No additional information available</li> <li>Non hazardous waste. Dispose of contents/container in accordance with licensed collector's</li> </ul>
SECTION 12: Ecological information         12.1.       Toxicity         Ecology - general       Ecology - general         12.2.       Persistence and degradability         No additional information available       Ecology - general         12.3.       Bioaccumulative potential         No additional information available       Ecology - general         12.3.       Bioaccumulative potential         No additional information available       Ecology - general         12.4.       Mobility in soil         No additional information available       Ecology - general         12.5.       Other adverse effects         Effect on the global warming       Ecology - general         SECTION 13: Disposal consideration       13.1.	<ul> <li>including a laxative action.</li> <li>The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.</li> <li>No additional information available</li> </ul>



# Temp-Coat 101

Safety Data Sheet

## **SECTION 14: Transport information**

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class	14.4 Packing Group	14.5 Environmental hazards
DOT	Not Applicable	Not Applicable	55	Not Applicable	None
TDG	Not Applicable	Not Applicable	55	Not Applicable	None
IMO/IMDG	Not Applicable	Not Applicable	55	Not Applicable	None
IATA/ICAO	Not Applicable	Not Applicable	55	Not Applicable	None

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code - This product is not available in bulk containers

#### **SECTION 15: Regulatory information**

15.1. US Federal regulations

#### Titanium dioxide (13463-67-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### **15.2. International regulations**

#### **CANADA**

#### Titanium dioxide (13463-67-7)

Listed on the Canadian DSL (Domestic Sustances List)

WHMIS Classification Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

#### **EU-Regulations**

#### Titanium dioxide (13463-67-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified

#### **National regulations**

#### Titanium dioxide (13463-67-7)

Listed on the AICS (Australian Inventory of Chemical Substances)

- Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
- Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

#### 15.3. US State regulations

Titanium dioxide (13463-67-	7)			
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	No significance risk level (NSRL)
Yes	No	No	No	

## **SECTION 16: Other information**

Abbreviations and acronyms

IARC (International Agency for Research on Cancer). ACGIH (American Conference of Government Industrial Hygienists). OSHA - Occupational Safety and Health Administration. LRT (lower respiratory tract). irr (irritation). ACGIH A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans).

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#### Full text of H-statements:

Carc. 2	Carcinogenicity, Category 2
H351	Suspected of causing cancer

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product