

# SAFETY DATA SHEET

Section 1. Identification		
Product identifier	: PFW804S9	
Product name	: TCF SIGNAL WHITE	
Other means of identification	: 2065004045806	
Date of issue	: 9/2/2022	
Version	: 1.03	
Relevant identified uses of the substance or mixture and uses advised against		
Identified uses	: Powder coating for industrial use.	
Uses advised against	: Not for sale to or use by consumers.	
Supplier's details Product information	: Axalta Coating Systems, LLC 50 Applied Bank Blvd. Suite 300 Glen Mills, PA 19342 USA 855-6AXALTA	
Emergency telephone number	: (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	: COMBUSTIBLE DUSTS SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1 GERM CELL MUTAGENICITY - Category 1 CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
<u>GHS label elements</u> Hazard pictograms	
Signal word	: Danger
Hazard statements	<ul> <li>H317 - May cause an allergic skin reaction.</li> <li>H318 - Causes serious eye damage.</li> <li>H340 - May cause genetic defects.</li> <li>H351 - Suspected of causing cancer.</li> <li>H373 - May cause damage to organs through prolonged or repeated exposure.</li> <li>May form combustible dust concentrations in air.</li> </ul>

## Section 2. Hazards identification

#### Precautionary statements

Prevention	: P201 - Obtain special instructions before use.
Frevenuon	<ul> <li>P201 - Obtain special instructions before use.</li> <li>P280 - Wear protective gloves, protective clothing and eye or face protection.</li> <li>P260 - Do not breathe dust or mist.</li> </ul>
Response	<ul> <li>P308 + P313 - IF exposed or concerned: Get medical advice or attention.</li> <li>P363 - Wash contaminated clothing before reuse.</li> <li>P302 + P352 - IF ON SKIN: Wash with plenty of water.</li> <li>P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.</li> <li>P305 + P351 + P338, P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>Immediately call a POISON CENTER or doctor.</li> </ul>
Storage	: Not applicable.
Disposal	: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation.
Hazards not otherwise classified	: None known.

# Section 3. Composition/information on ingredients

Substance/mixture : Mixture		
Ingredient name	%	CAS number
Manium dioxide 1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	≥25 - ≤50 ≤5	13463-67-7 2451-62-9
	-0	2101 02 0

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.

## Section 4. First aid measures

#### Description of necessary first aid measures

Eye contact	: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
Inhalation	: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

# Section 4. First aid measures

Skin contact	: Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

Potential acute health effect	<u>ts</u>	
Eye contact	:	Causes serious eye damage.
Inhalation	:	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
Skin contact	:	May cause an allergic skin reaction.
Ingestion	:	No known significant effects or critical hazards.
<u>Over-exposure signs/symp</u>	tor	<u>ns</u>
Eye contact	:	Adverse symptoms may include the following: pain watering redness
Inhalation	:	Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	:	Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	:	Adverse symptoms may include the following: stomach pains
Indication of immediate med	lica	l attention and special treatment needed, if necessary
Notes to physician	:	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

### See toxicological information (Section 11)

# Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use dry chemical powder.
Unsuitable extinguishing media	: Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.
Specific hazards arising from the chemical	: May form explosible dust-air mixture if dispersed.
Hazardous thermal decomposition products	<ul> <li>Decomposition products may include the following materials: carbon dioxide</li> </ul>
	carbon monoxide
	nitrogen oxides
	sulfur 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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
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.
Remark	: Not available.
Remark	: Not available.

# Section 6. Accidental release measures

contractor.

Personal precautions, protec	tive 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. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe dust. 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 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).
Methods and materials for co	ntainment and cleaning up
Small spill	: Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal

### Section 6. Accidental release measures

Large spill : Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. 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). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. 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 breathe dust. Do not ingest. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.
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.
Conditions for safe storage, including any incompatibilities	: Store in accordance with local regulations. Store in a segregated and approved area. 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. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. 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. See Section 10 for incompatible materials before handling or use.

### Section 8. Exposure controls/personal protection

#### Control parameters

#### **Occupational exposure limits**

Ingredient name	Exposure limits
₩anium dioxide	ACGIH TLV (United States, 1/2021). TWA: 10 mg/m <sup>3</sup> 8 hours. OSHA PEL 1989 (United States, 3/1989). TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Total dust OSHA PEL (United States, 5/2018). TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust
1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)- trione	ACGIH TLV (United States, 1/2021). TWA: 0.05 mg/m <sup>3</sup> 8 hours.

# Section 8. Exposure controls/personal protection

Appropriate engineering controls Environmental exposure controls		Use only with adequate ventilation. 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. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. 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 measure	es	
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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/ or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
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 time of the gloves cannot be accurately estimated.
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	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

# Section 9. Physical and chemical properties

Appearance		
Physical state	:	Solid.
Color	:	White.
Odor	:	Not available.
Odor threshold	:	Not available.
рН	:	Not applicable.
Melting point	:	Not applicable.
Boiling point	:	1350 to 1350°C (2462 to 2462°F)

# Section 9. Physical and chemical properties

	• •
Flash point	: Closed cup: Not applicable. [Product does not sustain combustion.]
Fire point	: Not available.
Burning time	: Not available.
Burning rate	: Not available.
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Lower: 20 g/m³
Vapor pressure	: 0 kPa (0 mm Hg)
Vapor density	: Not applicable.
Density	: 1.704 g/cm <sup>3</sup>
Solubility	: Very slightly soluble in the following materials: cold water.
Partition coefficient: n- octanol/water	: Not applicable.
Decomposition temperature	: Not applicable.
SADT	: Not available.
SAPT	: Not available.
Viscosity	: Kinematic (40°C (104°F)): 0 mm²/s (0 cSt)
Flow time (ISO 2431)	: Not available.

Heat of combustion

: Not available.

# Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
1,3,5-tris(oxiranylmethyl) -1,3,5-triazine-2,4,6(1H,3H, 5H)-trione	LC50 Inhalation Dusts and mists	Rat	650 mg/m³	4 hours
	LD50 Oral	Rat	138 mg/kg	-

# Section 11. Toxicological information

Conclusion/Summary	: Not avai	lable.							
Irritation/Corrosion	<u> </u>								
Product/ingredient name	Result			Species	Score	Expo		Observation	
1,3,5-tris(oxiranylmethyl) -1,3,5-triazine-2,4,6(1H,3H, 5H)-trione	Eyes - Se	vere irritant		Rabbit	-	100 m	ıg	-	
Skin	: Not avai	lable.							
Eyes	: Not avai	lable.							
Respiratory	: Not avai	lable.							
Sensitization									
Not available.									
Skin	: Not avai	lable.							
Respiratory	: Not avai	lable.							
Mutagenicity									
Product/ingredient name	Test		E	xperiment			Result	t	
1,3,5-tris(oxiranylmethyl) -1,3,5-triazine-2,4,6(1H,3H, 5H)-trione	-		S	xperiment: Ir ubject: Mam ell: Germ	n vitro malian-Animal		Positiv	/e	
Conclusion/Summary	: Not avai	lable.	ľ						
Carcinogenicity Not available.									
Conclusion/Summary <u>Classification</u>	: Not avai	lable.							
Product/ingredient name	OSHA	IARC	NTP						
<b>₽</b> tanium dioxide	-	2B	-						
<b>Reproductive toxicity</b> Not available.			-						
<b>Conclusion/Summary</b> Teratogenicity Not available.	: Not avai	lable.							
Conclusion/Summary	: Not avai	lable.							

### **Conclusion/Summary** : Not available.

Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)- trione	Category 2	-	-

#### Aspiration hazard

Not available.

Section 11. Toxic	-
Information on the likely routes of exposure	: Not available.
Potential acute health effect	ts
Eye contact	: Causes serious eye damage.
Inhalation	: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
Skin contact	: May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
Symptoms related to the ph	nysical, chemical and toxicological characteristics
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: Adverse symptoms may include the following: pain or irritation redness
	blistering may occur
Ingestion	<ul> <li>blistering may occur</li> <li>Adverse symptoms may include the following: stomach pains</li> </ul>
	: Adverse symptoms may include the following:
	: Adverse symptoms may include the following: stomach pains
Delayed and immediate effe	: Adverse symptoms may include the following: stomach pains
<u>Delayed and immediate effe</u> <u>Short term exposure</u> Potential immediate	<ul> <li>Adverse symptoms may include the following: stomach pains</li> <li>acts and also chronic effects from short and long term exposure</li> <li>Not available.</li> </ul>
<u>Delayed and immediate effe</u> <u>Short term exposure</u> Potential immediate effects	<ul> <li>Adverse symptoms may include the following: stomach pains</li> <li>acts and also chronic effects from short and long term exposure</li> <li>Not available.</li> </ul>
Delayed and immediate effe Short term exposure Potential immediate effects Potential delayed effects	<ul> <li>Adverse symptoms may include the following: stomach pains</li> <li>acts and also chronic effects from short and long term exposure</li> <li>Not available.</li> </ul>
Delayed and immediate effe Short term exposure Potential immediate effects Potential delayed effects Long term exposure Potential immediate	<ul> <li>Adverse symptoms may include the following: stomach pains</li> <li>ects and also chronic effects from short and long term exposure</li> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> </ul>
Delayed and immediate effe Short term exposure Potential immediate effects Potential delayed effects Long term exposure Potential immediate effects	<ul> <li>Adverse symptoms may include the following: stomach pains</li> <li>ects and also chronic effects from short and long term exposure</li> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> </ul>
Delayed and immediate effe Short term exposure Potential immediate effects Potential delayed effects Long term exposure Potential immediate effects Potential delayed effects	<ul> <li>Adverse symptoms may include the following: stomach pains</li> <li>ects and also chronic effects from short and long term exposure</li> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> </ul>
Delayed and immediate effe Short term exposure Potential immediate effects Potential delayed effects Long term exposure Potential immediate effects Potential delayed effects Potential delayed effects Potential chronic health effects Not available.	<ul> <li>Adverse symptoms may include the following: stomach pains</li> <li>ects and also chronic effects from short and long term exposure</li> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> </ul>
Delayed and immediate effe Short term exposure Potential immediate effects Potential delayed effects Long term exposure Potential immediate effects Potential delayed effects Potential delayed effects	<ul> <li>Adverse symptoms may include the following: stomach pains</li> <li>ects and also chronic effects from short and long term exposure</li> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> <li>Inot available.</li> <li>Iffects</li> <li>Inot available.</li> <li>May cause damage to organs through prolonged or repeated exposure. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Once sensitized</li> </ul>
Delayed and immediate effe Short term exposure Potential immediate effects Potential delayed effects Long term exposure Potential immediate effects Potential delayed effects Potential delayed effects Potential chronic health effects Not available. Conclusion/Summary	<ul> <li>Adverse symptoms may include the following: stomach pains</li> <li>ects and also chronic effects from short and long term exposure</li> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> <li>Inot available.</li> <li>Iffects</li> <li>Not available.</li> <li>May cause damage to organs through prolonged or repeated exposure. Repeated or</li> </ul>
Delayed and immediate effects         Potential immediate         Potential delayed effects         Potential immediate         effects         Potential immediate         effects         Potential delayed effects         Potential immediate         effects         Potential delayed effects         Potential delayed effects         Potential chronic health effects         Not available.         Conclusion/Summary         General	<ul> <li>Adverse symptoms may include the following: stomach pains</li> <li>ects and also chronic effects from short and long term exposure</li> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> <li>ffects</li> <li>Not available.</li> <li>May cause damage to organs through prolonged or repeated exposure. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Once sensitized a severe allergic reaction may occur when subsequently exposed to very low levels.</li> <li>Suspected of causing cancer. Risk of cancer depends on duration and level of</li> </ul>
Delayed and immediate effects         Potential immediate         effects         Potential delayed effects         Long term exposure         Potential immediate         effects         Potential delayed effects         Potential immediate         effects         Potential delayed effects         Potential chronic health effects         Potential chronic health effects         Not available.         Conclusion/Summary         General         Carcinogenicity	<ul> <li>Adverse symptoms may include the following: stomach pains</li> <li>acts and also chronic effects from short and long term exposure</li> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> <li>in Not available.</li> <li>ffects</li> <li>Xot available.</li> <li>May cause damage to organs through prolonged or repeated exposure. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Once sensitized a severe allergic reaction may occur when subsequently exposed to very low levels.</li> <li>Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.</li> </ul>
Delayed and immediate effects         Potential immediate         Potential delayed effects         Potential delayed effects         Potential immediate         effects         Potential delayed effects         Potential immediate         effects         Potential delayed effects         Potential delayed effects         Potential chronic health effects         Not available.         Conclusion/Summary         General         Carcinogenicity         Mutagenicity	<ul> <li>Adverse symptoms may include the following: stomach pains</li> <li>acts and also chronic effects from short and long term exposure</li> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> <li>Not available.</li> <li>in Not available.</li> <li>iffects</li> <li>in Not available.</li> <li>in Not available.</li> <li>iffects</li> <li>in Not available.</li> <li>is Not avail</li></ul>

### Numerical measures of toxicity Acute toxicity estimates

### Section 11. Toxicological information

Route	ATE value
Oral	3476.42 mg/kg
Inhalation (dusts and mists)	16.37 mg/l

Interactive effects : Not available.

Other information

: Not available.

## Section 12. Ecological information

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses waterways.

# Section 13. Disposal considerations

**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 soil, waterways, drains and sewers.

Waste stream : Not available

### Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IMDG	ΙΑΤΑ
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.

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 14. Transport information

Transport in bulk according	:	Not available.
to IMO instruments		

Proper shipping name	: Not available.
Ship type	: Not available.
Pollution category	: Not available.

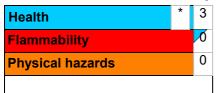
The actual shipping description for this product may vary based several factors including, but not limited to, the volume of material, size of the container, mode of transport and use of exemptions or exceptions found in the applicable regulations. The information provided in Section 14 is one possible shipping description for this product. Consult your shipping specialist or supplier for appropriate assignment information.

### Section 15. Regulatory information

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	: Listed
<u>SARA 304 RQ</u>	
SARA 304 RQ	: 27987685.4 lbs / 12706409.2 kg
<u>SARA 311/312</u>	
Classification	: COMBUSTIBLE DUSTS SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1 GERM CELL MUTAGENICITY - Category 1 CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
Inventory list	
Canada	: All components are listed or exempted.
United States	: All components are listed or exempted.

### Section 16. Other information

Hazardous Material Information System (U.S.A.)



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 SDSs 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 and service mark 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 (U.S.A.)



Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

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### Section 16. Other information

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

<u>History</u>	
Date of issue	: 9/2/2022
Version	: 1.03
	Product stewardship and regulatory compliance.
Key to abbreviations	: ATE = Acute Toxicity Estimate GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate 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.

#### Notice to reader

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