

SAFETY DATA SHEET

Section 1. Identification					
Product identifier	: PFH932S3				
Product name	: PPC VIKING GRAY				
Other means of identification	: 2065004061783				
Date of issue	: 2/2/2023				
Version	: 1				
Relevant identified uses	<u>Relevant identified uses of the substance or mixture and uses advised against</u>				
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	 H317 - May cause an allergic skin reaction. H318 - Causes serious eye damage. H340 - May cause genetic defects. H351 - Suspected of causing cancer. H373 - May cause damage to organs through prolonged or repeated exposure. May form combustible dust concentrations in air.

Section 2. Hazards identification

Precautionary statements

-	minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
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		
1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H, 5H)-trione	2451-62-9	≤5
titanium dioxide	13463-67-7	≤3
carbon black, non respirable	1333-86-4	≤1
zinc di(benzothiazol-2-yl) disulphide	155-04-4	≤0.3

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

Section 4. First aid measures

	person may need to be kept under medical surveillance for 48 hours.	
Skin contact	: Get medical attention immediately. Call a poison center or physician. Wash with plent 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 effe	
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>	<u>ptoms</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	dical 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	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen 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.

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. 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	:	void dispersal of spilled material and runoff and contact with soil, waterways, drains nd sewers. Inform the relevant authorities if the product has caused environmental ollution (sewers, waterways, soil or air).	
Methods and materials for containment 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 contractor.	
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
1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)- trione	ACGIH TLV (United States, 1/2022). [1,3,5-Triglycidyl-s- triazinetrione] TWA: 0.05 mg/m ³ 8 hours.
titanium dioxide	OSHA PEL 1989 (United States, 3/1989). TWA: 10 mg/m ³ 8 hours. Form: Total dust OSHA PEL (United States, 5/2018). TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 1/2022). TWA: 2.5 mg/m ³ 8 hours. Form: respirable fraction, finescale particles
carbon black, non respirable	ACGIH TLV (United States, 1/2022). TWA: 3 mg/m ³ 8 hours. Form: Inhalable fraction OSHA PEL 1989 (United States, 3/1989). TWA: 3.5 mg/m ³ 8 hours. NIOSH REL (United States, 10/2020). TWA: 3.5 mg/m ³ 10 hours.

Section 8. Exposure controls/personal protection

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			TWA: 0.1 mg of PAHs/cm ³ 10 hours.
			OSHA PEL (United States, 5/2018).
			TWA: 3.5 mg/m ³ 8 hours.
	zinc di(benzothiazol-2-yl) disu	ulphide	None.
С	controls or mist, use process enclos to keep worker exposure to limits. The engineering con		tilation. If user operations generate dust, fumes, gas, vapor ures, local exhaust ventilation or other engineering controls airborne contaminants below any recommended or statutory trols also need to keep gas, vapor or dust concentrations imits. Use explosion-proof ventilation equipment.
	nvironmental exposure ontrols	: 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.	
<u>Ir</u>	ndividual protection measur	es	
	Hygiene measures	eating, smoking and using t Appropriate techniques sho Contaminated work clothing	face thoroughly after handling chemical products, before the lavatory and at the end of the working period. uld be used to remove potentially contaminated clothing. should not be allowed out of the workplace. Wash re reusing. Ensure that eyewash stations and safety orkstation 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	worn at all times when hand necessary. Considering the during use that the gloves a noted that the time to break glove manufacturers. In the	ous gloves complying with an approved standard should be dling chemical products if a risk assessment indicates this is e parameters specified by the glove manufacturer, check are still retaining their protective properties. It should be through for any glove material may be different for different e case of mixtures, consisting of several substances, the s cannot be accurately estimated.
	Body protection		ent for the body should be selected based on the task being olved and should be approved by a specialist before
	Other skin protection	: Appropriate footwear and a	ny additional skin protection measures should be selected rformed and the risks involved and should be approved by a nis product.
	Respiratory protection	appropriate standard or cer	otential for exposure, select a respirator that meets the tification. Respirators must be used according to a am to ensure proper fitting, training, and other important

Section 9. Physical and chemical properties

Appearance

Physical state	: Solid.
Color	: Grey
Odor	: Not available.
Odor threshold	: Not available.
рН	: Not applicable.
Melting point	: Not applicable.
Boiling point	: 720 to 720°C (1328 to 1328°F)
Flash point	: Closed cup: Not applicable. [Product does not sustain combustion.]
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	: 1.368 g/cm ³
Solubility(ies)	:

Media		Result
cold water		Very slightly soluble
Partition coefficient: n- octanol/water	: Not applicable.	
Decomposition temperature	: Not applicable.	
Viscosity	: Not applicable.	
Flow time (ISO 2431)	: 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	-
carbon black, non respirable	LD50 Oral	Rat	>15400 mg/kg	-
zinc di(benzothiazol-2-yl) disulphide	LD50 Oral	Rat	540 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
1,3,5-tris(oxiranylmethyl) -1,3,5-triazine-2,4,6(1H,3H, 5H)-trione	Eyes - Severe irritant	Rabbit	-	100 mg	-

Sensitization

Not available.

<u>Mutagenicity</u>

Product/ingredient name	Test	Experiment	Result
1,3,5-tris(oxiranylmethyl) -1,3,5-triazine-2,4,6(1H,3H, 5H)-trione	-	Experiment: In vitro Subject: Mammalian-Animal Cell: Germ	Positive

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
titanium dioxide carbon black, non respirable	-	2B 2B	

Reproductive toxicity

Not available.

Teratogenicity

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. Toxicological information

Information on the likely routes of exposure	:	: Not available.		
Potential acute health effects				
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.		
		al, 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	:	Adverse symptoms may include the following: stomach pains		
Delayed and immediate effec	ts	and also chronic effects from short and long term exposure		
<u>Short term exposure</u>				
Potential immediate effects	:	Not available.		
Potential delayed effects	:	Not available.		
<u>Long term exposure</u>				
Potential immediate effects	:	Not available.		
Potential delayed effects	:	Not available.		
Potential chronic health effe	ect	<u>s</u>		
Not available.				
General	:	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.		
Carcinogenicity	:	Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.		
Mutagenicity	:	May cause genetic defects.		
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

Section 11. Toxicological information

Acute toxicity estimates	
Route	ATE value
Oral Inhalation (dusts and mists)	4207.7 mg/kg 19.82 mg/l

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.

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.

Transport in bulk according : Not available. to IMO instruments

Section 14. Transport information

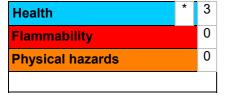
The actual shipping description for this product may vary based several factors including, but not limited to, the volume of material, size of the container, mode of transport and use of exemptions or exceptions found in the applicable regulations. The information provided in Section 14 is one possible 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	: 3386707.8 lbs / 1537565.4 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	: At least one component is not listed in DSL but all such components are listed in NDSL.
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.)



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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.

History

Date of issue	:	2/2/2023
Version	:	1

Section 16. Other information

	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

V Indicates information that has changed from previously issued version.

Notice to reader

This product is intended for industrial use only.

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