SAFETY DATA SHEET



Date of issue/Date of revision19 June 2021Version 12

Section 1. Identification	
Product name	: PR 1425CF B 1 Part A
Product code	: PR 1425CF B 1 Part A
Other means of identification	: Not available.
Product type	: Solid.
Relevant identified uses of	f the substance or mixture and uses advised against
Product use	: Industrial applications.
Use of the substance/ mixture	: Sealants
Uses advised against	: Not applicable.
Manufacturer	: PPG Aerospace PRC-DeSoto 12780 San Fernando Road Sylmar, CA 91342
<u>Emergency telephone</u> <u>number</u>	Phone: 818 362 6711 : (412) 434-4515 (U.S.) (514) 645-1320 (Canada) 01-800-00-21-400 (Mexico)

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	: ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
	Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 16.9% (oral), 96.5% (dermal), 49% (inhalation)
GHS label elements	
Hazard pictograms	
Signal word	: Warning
Hazard statements	: Harmful if swallowed or if inhaled. May cause damage to organs through prolonged or repeated exposure. (brain)

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Section 2. Hazards identification

Precautionary statements

Prevention	 Use only outdoors or in a well-ventilated area. Do not breathe dust. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.
Response	 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.
Storage	: Not applicable.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: Sanding and grinding dusts may be harmful if inhaled. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.
Hazards not otherwise classified	: Oxidising potential : Contact with combustible material may cause fire. Keep away from clothing, incompatible materials and combustible materials. This material increases the risk of fire and may aid combustion. Prolonged or repeated contact may dry skin and cause irritation.

Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Product name	: PR 1425CF B 1 Part A

Ingredient name	%	CAS number
manganese dioxide	≥20 - ≤50	1313-13-9
Terphenyl, hydrogenated	≥20 - ≤50	61788-32-7
Polyphenyls, quater- and higher, partially hydrogenated	≥5.0 - ≤10	68956-74-1
terphenyl	≥1.0 - ≤5.0	26140-60-3

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.

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 upart for at least 10 minutes and seek immediate medical advice.
Inhalation	ir	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is regular 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.

Section 4. First aid measures

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 :	Harmful if inhaled.
Skin contact :	Defatting to the skin. May cause skin dryness and irritation.
Ingestion :	Harmful if swallowed.
Over-exposure signs/symptor	<u>ns</u>
Eye contact :	No specific data.
Inhalation :	No specific data.
Skin contact :	Adverse symptoms may include the following:
	irritation
	dryness
	cracking
Ingestion :	No specific data.
Indication of immediate medica	I attention and special treatment needed, if necessary
Notes to physician :	In case of inhalation of decomposition products in a fire, symptoms may be delayed.

Specific treatments	The exposed person may need to be kept under medical surveillance for 48 hours. 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.

See toxicological information (Section 11)

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	: No specific fire or explosion hazard.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides 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.
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Product name PR 1425CF B 1 Part A

Section 5. Fire-fighting measures

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. 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 Methods and materials for co	: 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).	
Small spill	: Move containers from spill area. 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. 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. 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). Do not ingest. Avoid contact with eyes, skin and clothing. 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. Empty containers retain product residue and can be hazardous. Do not reuse container.
Special precautions	: Keep away from combustible materials. 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 of 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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Product name PR 1425CF B 1 Part A

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
manganese dioxide	ACGIH TLV (United States, 3/2020).
	TWA: 0.1 mg/m ³ , (as Mn) 8 hours. Form:
	Inhalable fraction
	TWA: 0.02 mg/m³, (as Mn) 8 hours. Form
	Respirable fraction
	OSHA PEL (United States, 5/2018).
	CEIL: 5 mg/m³, (as Mn)
Terphenyl, hydrogenated	ACGIH TLV (United States, 3/2020).
	TWA: 4.9 mg/m ³ 8 hours.
	TWA: 0.5 ppm 8 hours.
Polyphenyls, quater- and higher, partially hydrogenated	None.
terphenyl	ACGIH TLV (United States, 3/2020).
	C: 5 mg/m ³
	C: 0.53 ppm
	OSHA PEL (United States, 5/2018).
	CEIL: 9 mg/m ³
	CEIL: 1 ppm
Key to abbreviation	ons
A	C - Detential alian abaamatian

A	 Acceptable Maximum Peak 	S	 Potential skin absorption
ACGIH	 American Conference of Governmental Industrial Hygienists. 	SR	 Respiratory sensitization
С	= Ceiling Limit	SS	 Skin sensitization
F	= Fume	STEL	 Short term Exposure limit values
IPEL	 Internal Permissible Exposure Limit 	TD	= Total dust
OSHA	 Occupational Safety and Health Administration. 	TLV	= Threshold Limit Value
R	= Respirable	TWA	 Time Weighted Average

Ζ = OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

Consult local authorities for acceptable exposure limits.

procedures

Recommended monitoring : 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
- : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

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Product name PR 1425CF B 1 Part A

Section 8. Exposure controls/personal protection

En de la company de la company de la company	
Environmental exposure	: Emissions from ventilation or work process equipment should be checked to ensure
controls	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. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	:	Safety glasses with side shields.
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	:	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. The respiratory protection shall be in accordance to 29 CFR 1910.134.

Section 9. Physical and chemical properties

Appearance

Physical state	: Solid.
	Paste.
Color	: Black.
Odor	: Not available.
Odor threshold	: Not available.
рН	: Not applicable.
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Closed cup: Not applicable.
Auto-ignition temperature	: Not applicable.
Decomposition temperature	: Not available.
Flammability (solid, gas)	: Not available.

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Product name PR 1425CF B 1 Part A

Section 9. Physical and chemical properties

Lower and upper explosive (flammable) limits	: Not applicable.
Evaporation rate	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not applicable.
Relative density	: 1.65
Density(lbs / gal)	: 13.77
Solubility Partition coefficient: n-	Insoluble in the following materials: cold water.Not applicable.
octanol/water	
Viscosity	: Kinematic (40°C (104°F)): Not applicable.
VOC	: 0
% Solid. (w/w)	: 100

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	: 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	: Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides sulfur oxides metal oxide/oxides

Section 11. Toxicological information

Information on toxicological effects

Product/ingredient name	Result	Species	Dose	Exposure
manganese dioxide Terphenyl, hydrogenated terphenyl	LD50 Oral LD50 Oral LD50 Oral	Rat Rat Rat - Female	3478 mg/kg 17500 mg/kg 2304 mg/kg	- - -
Conclusion/Summary rritation/Corrosion Conclusion/Summary	: There are no data avail			
Skin	There are no data avail	able on the mixture itself.		

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Section 11. Toxicological information

Eyes	: There are no data available on the mixture itself.
Respiratory	: There are no data available on the mixture itself.
Sensitization	
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.
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 toxic	<u>ity (single exposure)</u>

Not available.

Specific target organ toxicity (repeated exposure)

Name		Category	Route of exposure	Target organs
manganese dioxide		Category 2	inhalation	brain
Target organs	: Contains material which causes damage to the following organs: lungs, central nervous			

 Target organs
 : Contains material which causes damage to the following organs: lungs, central nervous system (CNS).

 Contains material which may cause damage to the following organs: blood, kidneys, the nervous system, liver, spleen, lymphatic system, upper respiratory tract, skin, bone marrow, eye, lens or cornea.

Aspiration hazard

Not available.

Information on the likely routes of exposure

Potential acute health effects

Eye contact Inhalation Skin contact Ingestion <u>Over-exposure sig</u>	 No known significant effects or critical hazards. Harmful if inhaled. Defatting to the skin. May cause skin dryness and irritation. Harmful if swallowed.
Eye contact Inhalation Skin contact	 No specific data. No specific data. Adverse symptoms may include the following: irritation dryness cracking
Ingestion Delayed and immed	: No specific data. iate effects and also chronic effects from short and long term exposure

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Section 11. Toxicological information

Conclusion/Summary	:	There are no data available on the mixture itself. 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.
<u>Short term exposure</u>		
Potential immediate effects	1	There are no data available on the mixture itself.
Potential delayed effects	1	There are no data available on the mixture itself.
<u>Long term exposure</u>		
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 eff	ect	<u>s</u>
General	:	May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Carcinogenicity	1	No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Reproductive toxicity	:	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
PR 1425CF B 1 Part A	867.7	N/A	N/A	N/A	1.6
manganese dioxide	500	N/A	N/A	N/A	1.5
Terphenyl, hydrogenated	17500	N/A	N/A	N/A	N/A
terphenyl	2304	N/A	N/A	N/A	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
	5		48 hours 72 hours

Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
terphenyl	-	-	Not readily

Bioaccumulative potential

Not available.

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Product name PR 1425CF B 1 Part A

Section 12. Ecological information

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Section 13. Disposal considerations

B ¹ 1 1 1	
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.

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

14. Transport information

	DOT	IMDG	ΙΑΤΑ
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.

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.

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Product name PR 1425CF B 1 Part A

14. Transport information

Transport in bulk according : Not applicable. to IMO instruments

Section 15. Regulatory information

United States

United States inventory (TSCA 8b) : All components are active or exempted.

SARA 302/304

SARA 304 RQ : Not applicable.

Composition/information on ingredients

No products were found.

SARA 311/312

Classification

: ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 HNOC - Defatting irritant HNOC - Avoid contact with organic materials.

Composition/information on ingredients

Name	%	Classification
manganese dioxide	≥20 - ≤50	ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 HNOC - Avoid contact with organic materials.
Polyphenyls, quater- and higher, partially hydrogenated	≥5.0 - ≤10	HNOC - Defatting irritant

<u>SARA 313</u>

Chemical name

Supplier notification :

- : manganese dioxide
- CAS number
 Concentration

 1313-13-9
 30 60

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

Section 16. Other information

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

Health : 3 * Flammability : 0 Physical hazards : 1

(*) - 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 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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Product name PR 1425CF B 1 Part A

Section 16. Other information

Health : 3 Flamma	ibility : 0 Instability : 1
Date of previous issue	: 4/2/2021
Organization that prepared the SDS	: EHS
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International Air Transport Association IBC = 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) N/A = Not available SGG = Segregation Group 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 supplied by PPG, 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.

SAFETY DATA SHEET



Date of issue/Date of revision19 June 2021Version 7

Section 1. Identification		
Product name	: PR 1425CF B 1 Part B	
Product code	: PR 1425CF B 1 Part B	
Other means of identification	: Not available.	
Product type	: Solid.	
Relevant identified uses of Product use	f the substance or mixture and uses advised against Industrial applications.	
Use of the substance/ mixture	: Sealants	
Uses advised against	: Not applicable.	
Manufacturer	: PPG Aerospace PRC-DeSoto 12780 San Fernando Road Sylmar, CA 91342 Bhanay 818 362 6711	
Emergency telephone number	Phone: 818 362 6711 : (412) 434-4515 (U.S.) (514) 645-1320 (Canada) 01-800-00-21-400 (Mexico)	

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	: EYE IRRITATION - Category 2A CARCINOGENICITY - Category 2
	Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 1.3% (oral), 67.3% (dermal), 95.7% (inhalation)
GHS label elements	
Hazard pictograms	
Signal word	: Warning
Hazard statements	: Causes serious eye irritation. Suspected of causing cancer.
Precautionary statements	

Section 2. Hazards identification

Prevention	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Wash thoroughly after handling.
Response	: IF exposed or concerned: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.
Storage	: Store locked up.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	Trimethoxysilanes are capable of forming methanol if hydrolyzed or ingested. If swallowed, methanol may be harmful or fatal or cause blindness. This product either contains formaldehyde or is capable of releasing formaldehyde above 0.5 ppm under certain conditions. Formaldehyde is a known cancer hazard, a skin sensitizer and a respiratory sensitizer. Emits toxic fumes when heated.
Hazards not otherwise classified	: None known.

Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Product name	: PR 1425CF B 1 Part B

Ingredient name	%	CAS number
calcium carbonate	≥20 - ≤39	471-34-1
carbon black	≥1.0 - ≤5.0	1333-86-4
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	≤2.0	2530-83-8

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.

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.

Section 4. First aid measures

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

Eye contact	: Causes serious eye irritation.
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	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.

malcation of infinediate med	and attention and special treatment needed, in needsbary
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)

Section 5. Fire-fighting measures

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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.	
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. 	
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides halogenated compounds metal oxide/oxides Formaldehyde.	
Specific hazards arising from the chemical	: No specific fire or explosion hazard.	
media Unsuitable extinguishing media	: None known.	
Suitable extinguishing	: Use an extinguishing agent suitable for the surrounding fire.	
Extinguishing media		

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. 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	ont	ainment and cleaning up		
Small spill	:	Move containers from spill area. 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. 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. 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 handli	ng
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. 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) fo the other component or components before blending as the resulting mixture may have the hazards of all of 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.

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. Store locked up. 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	
carbon black	ACGIH TLV (United States). TWA: 3 mg/m ³ Form: Respirable TWA: 10 mg/m ³ Form: Total dust OSHA PEL (United States). TWA: 5 mg/m ³ Form: Respirable TWA: 15 mg/m ³ ACGIH TLV (United States, 3/2020). TWA: 3 mg/m ³ 8 hours. Form: Inhalable fraction OSHA PEL (United States, 5/2018). TWA: 3.5 mg/m ³ 8 hours.	
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	None.	
Key to abbreviations	3	
A = Acceptable Maximum Peak	S = Potential skin absorption	
CGIH = American Conference of Governmental Industrial Hygienists.	SR = Respiratory sensitization	
C = Ceiling Limit F = Fume	SS = Skin sensitization STEL = Short term Exposure limit values	
PEL = Internal Permissible Exposure Limit	STEL = Short term Exposure limit values TD = Total dust	
DSHA = Occupational Safety and Health Administration.	TLV = Threshold Limit Value	
R = Respirable	TWA = Time Weighted Average	
Z = OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances	5 S	
onsult local authorities for acceptable exposure limits.		
Recommended monitoring procedures : If this product contains ingredients atmosphere or biological monitoring the ventilation or other control mea	with exposure limits, personal, workplace of may be required to determine the effectiveness of asures and/or the necessity to use respiratory	

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

Product name PR 1425CF B 1 Part B

Section 8. Exposure controls/personal protection

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. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	: Chemical splash goggles.
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.
Gloves	: For prolonged or repeated handling, use the following type of gloves:
	Recommended: nitrile rubber, natural rubber (latex), butyl rubber, Viton ${}^{\otimes}$
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. The respiratory protection shall be in accordance to 29 CFR 1910.134.

Section 9. Physical and chemical properties

Evaporation rate	: Not available.	
Lower and upper explosive (flammable) limits	: Not applicable.	
Flammability (solid, gas)	: Not available.	
Decomposition temperature	: Not available.	
Auto-ignition temperature	: Not applicable.	
Flash point	: Closed cup: 93.33°C (200°F)	
Boiling point	: Not available.	
Melting point	: Not available.	
рН	Not applicable.	
Odor threshold	: Not available.	
Odor	: Not available.	
Color	: Black.	
Physical state	: Solid.	
<u>Appearance</u>		

Section 9. Physical and chemical properties

Vapor pressure	: Not available.
Vapor density	: Not applicable.
Relative density	: 1.41
Density (lbs / gal)	: 11.77
Solubility	: Insoluble in the following materials: cold water.
Partition coefficient: n- octanol/water	: Not applicable.
Viscosity	: Kinematic (40°C (104°F)): Not applicable.
VOC	: 0
% Solid. (w/w)	: 99

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	: 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	: Depending on conditions, decomposition products may include the following materials: carbon oxides halogenated compounds Formaldehyde. metal oxide/oxides

Section 11. Toxicological information

Information on toxicological effects

Product/ingredient name	Result	Species	Dose	Exposure
calcium carbonate	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	6450 mg/kg	-
carbon black	LD50 Oral	Rat	>10 g/kg	-
[3-(2,3-epoxypropoxy)propyl] trimethoxysilane	LC50 Inhalation Dusts and mists	Rat	>5300 mg/m ³	4 hours
	LD50 Dermal	Rabbit	4.3 g/kg	-
	LD50 Oral	Rat	7.01 g/kg	-

Irritation/Corrosion

Section 11. Toxicological information

Product/ingredient name	Result		Species	Score	Exposure	Observation
[3-(2,3-epoxypropoxy)propyl] trimethoxysilane	Eyes - Cor	nea opacity	Rabbit	11.8	1 minutes	24 hours
Conclusion/Summary						
Skin	: There are	e no data ava	ilable on the mixt	ure itself.		
Eyes	: There are	e no data ava	ilable on the mixt	ure itself.		
Respiratory	: There are	e no data ava	lable on the mixt	ure itself.		
Sensitization						
<u>Conclusion/Summary</u>						
Skin	: There are	e no data ava	lable on the mixt	ure itself.		
Respiratory	: There are	e no data ava	ilable on the mixt	ure itself.		
<u>Mutagenicity</u>						
Conclusion/Summary	: There are	e no data ava	ilable on the mixt	ure itself.		
Carcinogenicity						
Conclusion/Summary	: There are	e no data ava	ilable on the mixt	ure itself.		
Classification						
Product/ingredient name	OSHA	IARC N	ITP			
carbon black	-	2B -				
Carcinogen Classification	code:	I I				
IARC: 1, 2A, 2B, 3, NTP: Known to be OSHA: + Not listed/not regu	a human carc	inogen; Reasor	ably anticipated to t	be a human carc	inogen	
Reproductive toxicity						
Conclusion/Summary	: There are	no data avail	able on the mixtu	ire itself.		
eratogenicity						
Conclusion/Summary	: There are	no data avail	able on the mixtu	ire itself.		
specific target organ toxicity						

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Target organs

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

Aspiration hazard Not available. Information on the likely routes of exposure

Potential acute health effects

Eye contact	: Causes serious eye irritation.
Inhalation	: No known significant effects or critical hazards.

Section 11. Toxicological information

	<u> </u>					
Skin contact	: No known significant effects or critical hazards.					
Ingestion	: No known significant effects or critical hazards.					
Over-exposure signs/symptoms						
Eye contact	: Adverse symptoms may include the following:					
	pain or irritation					
	watering					
Inholation	redness					
Inhalation Skin contact	No specific data.No specific data.					
Ingestion	No specific data.					
	ts and also chronic effects from short and long term exposure					
Conclusion/Summary	: There are no data available on the mixture itself. Trimethoxysilanes are capable of forming methanol if hydrolyzed or ingested. If swallowed, methanol may be harmful or fatal or cause blindness. This product either contains formaldehyde or is capable of releasing formaldehyde above 0.5 ppm under certain conditions. Formaldehyde is a known cancer hazard, a skin sensitizer and a respiratory sensitizer. 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.					
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 eff	<u>ects</u>					
General	: No known significant effects or critical hazards.					
Carcinogenicity	: Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.					
Mutagenicity	: No known significant effects or critical hazards.					
Reproductive toxicity	: No known significant effects or critical hazards.					
Numerical measures of toxic	<u>ity</u>					

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)		(gases)	(vapors)	Inhalation (dusts and mists) (mg/ I)
	N/A	3742.6	N/A	N/A	N/A
	6450	2500	N/A	N/A	N/A
	7010	4300	N/A	N/A	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
	Acute EC10 >14 mg/l	Algae	72 hours
	Acute LC50 324 mg/l	Daphnia	48 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

<u>Mobility in soil</u>

Soil/water partition coefficient (Koc)

: Not available.

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.

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

14. Transport information

	DOT	IMDG	ΙΑΤΑ
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class (es)	-	-	-
Packing group	-	-	-
		Un	ited States Page: 10/12

Product name PR 1425CF B 1 Part B

14. Transport information

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.

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 applicable. to IMO instruments

Section 15. Regulatory information

United States

United States inventory (TSCA 8b) : All components are active or exempted.

SARA 302/304

SARA 304 RQ : Not applicable.

Composition/information on ingredients

No products were found.

SARA 311/312

Classification

: EYE IRRITATION - Category 2A CARCINOGENICITY - Category 2

Composition/information on ingredients

Name	%	Classification
arbon black [3-(2,3-epoxypropoxy)propyl]		COMBUSTIBLE DUSTS CARCINOGENICITY - Category 2 SERIOUS EYE DAMAGE - Category 1
trimethoxysilane		

California Prop. 65

MARNING: Cancer - www.P65Warnings.ca.gov.

Product name PR 1425CF B 1 Part B

Section 16. Other information

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

Health : 2 * Flammability : 1 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 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.)

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 supplied by PPG, 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.

SAFETY DATA SHEET



Date of issue/Date of revision 10 June 2021 Version 15.01

Section 1. Identification		
Product name	: PR 1861 ADH PRO	
Product code	: PR 1861 ADH PRO	
Other means of identification	: Not available.	
Product type	: Liquid.	
Relevant identified uses o	f the substance or mixture and uses advised against	
Product use	: Industrial applications.	
Use of the substance/ mixture	: Adhesive.; Coating.	
Uses advised against	: Not applicable.	
Manufacturer	: PPG Aerospace PRC-DeSoto 12780 San Fernando Road Sylmar, CA 91342 Bhanay 818 362 6711	
Emergency telephone number	Phone: 818 362 6711 : (412) 434-4515 (U.S.) (514) 645-1320 (Canada) 01-800-00-21-400 (Mexico)	

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	 FLAMMABLE LIQUIDS - Category 2 EYE IRRITATION - Category 2A CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
	Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 1.4% (oral), 1.4% (dermal), 6.3% (inhalation)
GHS label elements	
Hazard pictograms	
Signal word	: Danger
	United States Page: 1/14

Product name PR 1861 ADH PRO

Section 2. Hazards identification

protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment.		
Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Use only outdoors of in a well-ventilated area. Do not breathe vapor. Wash thoroughly after handling.Response: IF exposed or concerned: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.Storage: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.Supplemental label elements: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Emits toxic fumes when heated.	Hazard statements	Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer.
been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Use only outdoors on in a well-ventilated area. Do not breathe vapor. Wash thoroughly after handling.Response: IF exposed or concerned: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated 	Precautionary statements	
person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.Storage: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.Supplemental label elements: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Emits toxic fumes when heated.Hazards not otherwise: None known.	Prevention	been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Use only outdoors or
Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.Supplemental label elements: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Emits toxic fumes when heated.Hazards not otherwise: None known.	Response	person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye
 Supplemental label elements Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Emits toxic fumes when heated. Hazards not otherwise None known. 	Storage	
elementssystem and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Emits toxic fumes when heated.Hazards not otherwise: None known.	Disposal	
		system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Emits toxic fumes
		: None known.

Section 3. Composition/information on ingredients

Substance/mixture	1	Mixture
Product name	:	PR 1861 ADH PRO

Ingredient name	%	CAS number
kopropyl alcohol	≥90	67-63-0
titanium tetrakis(2-ethylhexanolate)	≥1.0 - ≤5.0	1070-10-6
triethoxy(phenyl)silane	≥1.0 - ≤5.0	780-69-8
2-(3,4-epoxycyclohexyl)ethyltrimethoxysilane	<1.0	3388-04-3

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.

Product name PR 1861 ADH PRO

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 : Causes serious eye irritation. Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. Skin contact : No known significant effects or critical hazards. : Can cause central nervous system (CNS) depression. Ingestion Over-exposure signs/symptoms Eye contact : Adverse symptoms may include the following: pain or irritation watering redness : Adverse symptoms may include the following: Inhalation nausea or vomiting headache drowsiness/fatigue dizziness/vertiao unconsciousness Skin contact : No specific data. : No specific data. Ingestion Indication of immediate medical attention and special treatment needed, if necessary : Treat symptomatically. Contact poison treatment specialist immediately if large Notes to physician quantities have been ingested or inhaled. : No specific treatment. **Specific treatments Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is

give mouth-to-mouth resuscitation.

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

See toxicological information (Section 11)

Product name PR 1861 ADH PRO

Section 5. Fire-fighting measures

The first statistic terms and the	
<u>Extinguishing media</u>	
Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
Specific hazards arising from the chemical	: Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
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. 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. 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 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	ont	ainment and cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and

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.

explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively,

Product name PR 1861 ADH PRO

Section 6. Accidental release measures

Large spill

: Stop leak if without risk. 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. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with 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 breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Special precautions	: Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. 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 of 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.
Conditions for safe storage, including any incompatibilities	: Do not store above the following temperature: 50°C (122°F). 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.

Product name PR 1861 ADH PRO

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
sopropyl alcohol	ACGIH TLV (United States, 3/2020).
	STEL: 400 ppm 15 minutes.
	TWA: 200 ppm 8 hours.
	OSHA PEL (United States, 5/2018).
	TWA: 980 mg/m ³ 8 hours.
	TWA: 400 ppm 8 hours.
titanium tetrakis(2-ethylhexanolate)	None.
triethoxy(phenyl)silane	None.
2-(3,4-epoxycyclohexyl)ethyltrimethoxysilane	None.

А	= Acceptable Maximum Peak	S	 Potential skin absorption
ACGIH	= American Conference of Governmental Industrial Hygienists.	SR	 Respiratory sensitization
С	= Ceiling Limit	SS	 Skin sensitization
F	= Fume	STEL	 Short term Exposure limit values
IPEL	 Internal Permissible Exposure Limit 	TD	= Total dust
OSHA	 Occupational Safety and Health Administration. 	TLV	= Threshold Limit Value
R	= Respirable	TWA	= Time Weighted Average
Z	= OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances		

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	:	Use only with adequate ventilation. 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.
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 measur	<u>es</u>	
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. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	1	Chemical splash goggles.
Skin protection		

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Section 8. Exposure controls/personal 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.
Gloves	: For prolonged or repeated handling, use the following type of gloves:
	Recommended: butyl rubber, nitrile rubber
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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
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. The respiratory protection shall be in accordance to 29 CFR 1910.134.

Section 9. Physical and chemical properties

<u>Appearance</u>		
Physical state	1	Liquid.
Color	1	Clear.
Odor	1	Not available.
Odor threshold	1	Not available.
рН	4	Not applicable.
Melting point	1	Not available.
Boiling point	1	82.22°C (180°F)
Flash point	1	Closed cup: 12.22°C (54°F)
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive (flammable) limits	1	Lower: 2.5% Upper: 11%
Evaporation rate	:	Not available.
Vapor pressure	:	Not available.
Vapor density	1	Not available.
Relative density	:	0.79
Density(lbs / gal)	:	6.59

Product name PR 1861 ADH PRO

Section 9. Physical and chemical properties

Solubility	: Insoluble in the following materials: cold water.
Partition coefficient: n-	: Not applicable.
octanol/water	
Viscosity	: ₭inematic (40°C (104°F)): >21 mm²/s (>21 cSt)
VOC	: 784 g/l

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	: 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	: Depending on conditions, decomposition products may include the following materials: carbon oxides metal oxide/oxides

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure	
sopropyl alcohol	LC50 Inhalation Vapor	Rat	72600 mg/m ³	4 hours	
	LD50 Dermal	Rabbit	12800 mg/kg	-	
	LD50 Oral	Rat	5045 mg/kg	-	
titanium tetrakis	LD50 Dermal	Rabbit	>2.6 g/kg	-	
(2-ethylhexanolate)					
	LD50 Oral	Rat	3.73 g/kg	-	
2-(3,4-epoxycyclohexyl) ethyltrimethoxysilane	LD50 Dermal	Rabbit	6.7 g/kg	-	
	LD50 Oral	Rat	13 g/kg	-	
Conclusion/Summary	: There are no data available	on the mixture itse	lf.		
Irritation/Corrosion					
Conclusion/Summary					
Skin	: There are no data available	on the mixture itse	lf.		
Eyes	: There are no data available on the mixture itself.				
Respiratory	: There are no data available	on the mixture itse	lf.		
Sensitization					

Conclusion/Summary

Product name PR 1861 ADH PRO

Section 11. Toxicological information

			-		
	Skin	÷	There are	e no data av	ailable on the mixture itself.
	Respiratory	÷	There are	e no data av	ailable on the mixture itself.
Ν	lutagenicity				
	Conclusion/Summary	÷	There are	e no data av	ailable on the mixture itself.
<u>c</u>	arcinogenicity				
	Conclusion/Summary	÷	There are	e no data av	ailable on the mixture itself.
	Classification				
	Product/ingredient name		OSHA	IARC	NTP
	Isopropyl alcohol		-	3	-

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 (single exposure)

Name	Category	Route of exposure	Target organs
Isopropyl alcohol	Category 3	-	Narcotic effects

Specific target organ toxicity (repeated exposure)

Name	•••	Route of exposure	Target organs
triethoxy(phenyl)silane	Category 2	oral	bladder

Target organs

: Contains material which causes damage to the following organs: bladder, brain. Contains material which may cause damage to the following organs: blood, liver, spleen, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

Aspiration hazard

Not available.

Information on the likely routes of exposure

Potential acute health effects

Eye contact	: Causes serious eye irritation.
Inhalation	: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: Can cause central nervous system (CNS) depression.
Over-exposure sig	ins/symptoms

Product name PR 1861 ADH PRO

Section 11. Toxicological information

Eye contact	Adverse symptoms may include the following: ain or irritation	
	/atering	
	edness	
Inhalation	dverse symptoms may include the following:	
	ausea or vomiting	
	eadache	
	rowsiness/fatigue	
	lizziness/vertigo Inconsciousness	
Skin contact	lo specific data.	
Ingestion	lo specific data.	
Delayed and immediate effect	nd also chronic effects from short and long term exposure	
Conclusion/Summary	There are no data available on the mixture itself. Exposure to component solvent oncentrations in excess of the stated occupational exposure limit may result in ac- ealth effects such as mucous membrane and respiratory system irritation and ad- ffects on the kidneys, liver and central nervous system. Symptoms and signs inc- eadache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cas oss of consciousness. Solvents may cause some of the above effects by absorpt nrough the skin. There is some evidence that repeated exposure to organic solver apors in combination with constant loud noise can cause greater hearing loss that expected from exposure to noise alone. If splashed in the eyes, the liquid may cau- ritation and reversible damage. Ingestion may cause nausea, diarrhea and vomit this takes into account, where known, delayed and immediate effects and also ch effects of components from short-term and long-term exposure by oral, inhalation termal routes of exposure and eye contact.	dverse lverse clude ses, tion ent an use ting. nronic
<u>Short term exposure</u>		
Potential immediate effects	here are no data available on the mixture itself.	
Potential delayed effects	here are no data available on the mixture itself.	
<u>Long term exposure</u>		
Potential immediate effects	here are no data available on the mixture itself.	
Potential delayed effects	here are no data available on the mixture itself.	
Potential chronic health eff		
General	lay cause damage to organs through prolonged or repeated exposure.	
Carcinogenicity	Suspected of causing cancer. Risk of cancer depends on duration and level of xposure.	
Mutagenicity	lo known significant effects or critical hazards.	
Reproductive toxicity	lo known significant effects or critical hazards.	
Numerical measures of toxic		
Acute toxicity estimates		

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Section 11. Toxicological information

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
🖻 🕅 1861 ADH PRO	76907.4	51546.5	N/A	N/A	N/A
Isopropyl alcohol	5045	12800	N/A	72.6	N/A
titanium tetrakis(2-ethylhexanolate)	3730	2500	N/A	N/A	N/A
2-(3,4-epoxycyclohexyl)ethyltrimethoxysilane	13000	6700	N/A	N/A	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Isopropyl alcohol	Acute EC50 10100 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
triethoxy(phenyl)silane	Acute EC50 37 mg/l	Daphnia	48 hours

Persistence and degradability

Product/ingredient name	Test	Result		Dose		Inoculum
triethoxy(phenyl)silane	OECD 310	1 % - Not re	eadily - 28 days	-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	radability
triethoxy(phenyl)silane	-		-		Not read	dily

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Isopropyl alcohol	0.05	-	low
triethoxy(phenyl)silane	2.99		low

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

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

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Product name PR 1861 ADH PRO

Section 13. Disposal considerations

cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, 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

14. Transport information

	DOT	IMDG	ΙΑΤΑ
UN number	UN1219	UN1219	UN1219
UN proper shipping name	ISOPROPANOL	ISOPROPANOL	ISOPROPANOL
	solution	solution	solution
Transport hazard class (es)	3	3	3
Packing group	П	11	11
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.
- **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 applicable. to IMO instruments

Section 15. Regulatory information

United States

United States inventory (TSCA 8b) : All components are active or exempted.

SARA 302/304

SARA 304 RQ : Not applicable.

Composition/information on ingredients

No products were found.

Product name PR 1861 ADH PRO

Section 15. Regulatory information

SARA 311/312

Classification

: FLAMMABLE LIQUIDS - Category 2 EYE IRRITATION - Category 2A CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Composition/information on ingredients

Name	%	Classification
sopropyl alcohol	≥90	FLAMMABLE LIQUIDS - Category 2
		EYE IRRITATION - Category 2A
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
		(Narcotic effects) - Category 3
titanium tetrakis	≥1.0 - ≤5.0	SKIN IRRITATION - Category 2
(2-ethylhexanolate)		EYE IRRITATION - Category 2A
triethoxy(phenyl)silane	≥1.0 - ≤5.0	FLAMMABLE LIQUIDS - Category 2
		SPECIFIC TARGET ORGAN TOXICITY (REPEATED
		EXPOSURE) - Category 2
2-(3,4-epoxycyclohexyl)	<1.0	SKIN SENSITIZATION - Category 1B
ethyltrimethoxysilane		CARCINOGENICITY - Category 2
		HNOC - Defatting irritant

Section 16. Other information

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

Health: 2 Flammability: 3 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 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 Asso	ociation (U.S.A.)
Health : 2 Flammal	bility : 3 Instability : 0
Date of previous issue	: 2/17/2021
Organization that prepared the SDS	: EHS
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor 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)

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Product name PR 1861 ADH PRO

Section 16. Other information

N/A = Not available SGG = Segregation Group 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 supplied by PPG, 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.