# **SAFETY DATA SHEET**



Date of issue/Date of revision17 November 2021Version 13.01

Section 1. Identification		
Product name	: PR 1829 B 2 Part A	
Product code	: PR 1829 B 2 Part A	
Other means of identification	: Not available.	
Product type	: Solid.	
Relevant identified uses o	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 Dhanay 818 363 6711	
<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	<ul> <li>This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).</li> </ul>
Classification of the substance or mixture	: SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2
	Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 26.6% (oral), 32.6% (dermal), 95.6% (inhalation)
GHS label elements	
Hazard pictograms	
Signal word	: Danger

Product name PR 1829 B 2 Part A

### Section 2. Hazards identification

Hazard statements	: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Suspected of causing cancer.
Precautionary statements	
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. Avoid breathing dust. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.
Response	: IF exposed or concerned: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: 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. Immediately call a POISON CENTER or doctor.
Storage	: Store locked up.
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. Trimethoxysilanes are capable of forming methanol if hydrolyzed or ingested. If swallowed, methanol may be harmful or fatal or cause blindness. Emits toxic fumes when heated.
Hazards not otherwise classified	: None known.

# Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Product name	1	PR 1829 B 2 Part A

Ingredient name	%	CAS number
bis-[4-(2,3-epoxipropoxi)phenyl]propane	≥20 - ≤50	1675-54-3
Phenol, polymer with formaldehyde, glycidyl ether (MW<=700)	≥20 - ≤50	28064-14-4
calcium carbonate	≥20 - ≤31	471-34-1
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	≥1.0 - ≤4.6	2530-83-8
carbon black	≥1.0 - ≤5.0	1333-86-4

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	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation	<ul> <li>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.</li> </ul>
Skin contact	<ul> <li>Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.</li> </ul>
Ingestion	<ul> <li>If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.</li> </ul>

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

Potential acute health effect	<u>its</u>
Eye contact	: Causes serious eye damage.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/symp	<u>toms</u>
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: No specific data.
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	lical attention and special treatment needed, if necessary
Notes to physician	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>
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 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 metal oxide/oxides
Special protective actions for fire-fighters	<ul> <li>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.</li> </ul>
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, protec	tiv	e 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.

Product name PR 1829 B 2 Part A

# 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 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) 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 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**

С

= Ceiling Limit

#### **Occupational exposure limits**

Ingredient name	Exposure limits
bis-[4-(2,3-epoxipropoxi)phenyl]propane	None.
Phenol, polymer with formaldehyde, glycidyl ether (MW<=700)	None.
calcium carbonate	ACGIH TLV (United States).
	TWA: 3 mg/m <sup>3</sup> Form: Respirable
	TWA: 10 mg/m <sup>3</sup> Form: Total dust
	OSHA PEL (United States).
	TWA: 5 mg/m <sup>3</sup> Form: Respirable
	TWA: 15 mg/m³
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	None.
carbon black	ACGIH TLV (United States, 1/2021).
	TWA: 3 mg/m <sup>3</sup> 8 hours. Form: Inhalable
	fraction
	OSHA PEL (United States, 5/2018).
	TWA: 3.5 mg/m <sup>3</sup> 8 hours.
Key to abbreviations	·
A = Acceptable Maximum Peak	S = Potential skin absorption

0	i otoritiai ottiri aboorption
SR	= Respiratory sensitization
SS	<ul> <li>Skin sensitization</li> </ul>

= Skin sensitization

ACGIH = American Conference of Governmental Industrial Hygienists.

= Threshold Limit Value

= Time Weighted Average

= Total dust

= Short term Exposure limit values

STEL

TD

TLV

TWA

Product name PR 1829 B 2 Part A

# Section 8. Exposure controls/personal protection

F	=	F	ur	ne

IPEL = Internal Permissible Exposure Limit

OSHA = Occupational Safety and Health Administration.

R = Respirable Z = OSHA 29 CF

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

#### Consult local authorities for acceptable exposure limits.

- **Recommended monitoring** : If this product contains ingredients with exposure limits, personal, workplace procedures 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 : 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 controls airborne contaminants below any recommended or statutory limits. **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 : Wash hands, forearms and face thoroughly after handling chemical products, before **Hygiene measures** eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Eye/face protection Chemical splash goggles and face shield. 2 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 : butyl rubber Personal protective equipment for the body should be selected based on the task being **Body protection** 2 performed and the risks involved and should be approved by a specialist before handling this product. : Appropriate footwear and any additional skin protection measures should be selected Other skin protection 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.

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# Section 9. Physical and chemical properties

#### **Appearance**

: Solid.
: Black.
: Not available.
: Not available.
: Not applicable.
: Not available.
: Not available.
: Closed cup: 98.89°C (210°F)
: Not applicable.
: Not available.
: Not available.
: Not applicable.
: Not available.
: Not available.
: Not applicable.
: 1.37
: 11.43
: Insoluble in the following materials: cold water.
: Not applicable.
: Kinematic (40°C (104°F)): Not applicable.
: 47 g/l
: 97

# 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
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# Section 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
bis-[4-(2,3-epoxipropoxi) phenyl]propane	LD50 Dermal	Rabbit	23000 mg/kg	-
	LD50 Oral	Rat	15000 mg/kg	-
calcium carbonate	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	6450 mg/kg	-
[3-(2,3-epoxypropoxy)propyl] trimethoxysilane	LC50 Inhalation Dusts and mists	Rat	>5300 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	4.3 g/kg	-
	LD50 Oral	Rat	7.01 g/kg	-
carbon black	LD50 Oral	Rat	>10 g/kg	-

# Conclusion/Summary

: There are no data available on the mixture itself.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
bis-[4-(2,3-epoxipropoxi) phenyl]propane	Eyes - Redness of the conjunctivae	Rabbit	0.4	24 hours	-
	Eyes - Mild irritant	Rabbit	-	24 hours	-
	Skin - Erythema/Eschar	Rabbit	0.8	4 hours	-
	Skin - Edema	Rabbit	0.5	4 hours	-
	Skin - Mild irritant	Rabbit	-	4 hours	-
[3-(2,3-epoxypropoxy)propyl] trimethoxysilane	Eyes - Cornea opacity	Rabbit	11.8	1 minutes	24 hours

**Conclusion/Summary** 

: There are no data available on the mixture itself.

: There are no data available on the mixture itself.

- Respiratory
- : There are no data available on the mixture itself.

#### Sensitization

Skin

Eyes

Product/ingredient name	Route of exposure	Species	Result
bis-[4-(2,3-epoxipropoxi) phenyl]propane	skin	Mouse	Sensitizing
Conclusion/Summary			
Skin	: There are no d	ata available on the mixture itself.	
Respiratory	: There are no d	ata available on the mixture itself.	
<b>Mutagenicity</b>			
<b>Conclusion/Summary</b>	: There are no d	ata available on the mixture itself.	
<b>Carcinogenicity</b>			
Conclusion/Summary Classification	: There are no d	ata available on the mixture itself.	

# Section 11. Toxicological information

Product/ingredient name	OSHA	IARC	NTP
bis-[4-(2,3-epoxipropoxi) phenyl]propane	-	3	-
carbon black	-	2B	-

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

<b>Conclusion/Summary</b>	: There are no data available on the mixture itself.
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#### **Teratogenicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

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 damage. Inhalation : No known significant effects or critical hazards. Skin contact : Causes skin irritation. May cause an allergic skin reaction. : No known significant effects or critical hazards. Ingestion Over-exposure signs/symptoms Eye contact : Adverse symptoms may include the following: pain watering redness Inhalation : No specific data. 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 effects and also chronic effects from short and long term exposure

United States Page: 9/13

Product name PR 1829 B 2 Part A

# Section 11. Toxicological information

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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. 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	: There are no data available on the mixture itself.
Potential delayed effects	: 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	<u>ects</u>
General	: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	<ul> <li>Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.</li> </ul>
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
N/A 15000 6450 7010	6800.2 23000 2500 4200	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A N/A
	kg) N/A 15000	kg)         (mg/kg)           N/A         6800.2           15000         23000           6450         2500	kg)         (mg/kg)         (gases) (ppm)           N/A         6800.2         N/A           15000         23000         N/A           6450         2500         N/A	kg)         (mg/kg)         (gases) (ppm)         (vapors) (mg/l)           N/A         6800.2         N/A         N/A           15000         23000         N/A         N/A           6450         2500         N/A         N/A

# Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
bis-[4-(2,3-epoxipropoxi) phenyl]propane	Acute LC50 1.8 mg/l Fresh water	Daphnia - daphnia magna	48 hours
	Chronic NOEC 0.3 mg/l	Daphnia	21 days
calcium carbonate	Acute EC10 >14 mg/l	Algae	72 hours
[3-(2,3-epoxypropoxy)propyl] trimethoxysilane	Acute LC50 324 mg/l	Daphnia	48 hours

#### Persistence and degradability

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Product name PR 1829 B 2 Part A

# Section 12. Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
bis-[4-(2,3-epoxipropoxi) phenyl]propane	-	-	Not readily

#### **Bioaccumulative potential**

Not available.

#### 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
	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.
<b>_</b>	

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	IATA
UN number	Not regulated.	UN3077	UN3077
UN proper shipping name	-	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (bis-[4-(2,3-epoxipropoxi) phenyl]propane, Phenol, polymer with formaldehyde, glycidyl ether (MW<=700))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (bis-[4-(2,3-epoxipropoxi) phenyl]propane, Phenol, polymer with formaldehyde, glycidyl ether (MW<=700))
Transport hazard class (es)	-	9	9
Packing group	-		
Environmental hazards	No.	Yes.	Yes.
		l Un	ited States Page: 11/13

Product name PR 1829 B 2 Part A

# 14. Transport information

•			
Marine pollutant	Not applicable.	(bis-[4-(2,3-epoxipropoxi) Not applicable.	
substances		phenyl]propane, Phenol,	
		polymer with formaldehyde,	
		glycidyl ether (MW<=700))	

#### Additional information

DOT	: None identified.
IMDG	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
ΙΑΤΑ	: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

**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	: SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1
	SKIN SENSITIZATION - Category 1
	CARCINOGENICITY - Category 2

#### Composition/information on ingredients

Name	%	Classification
bis-[4-(2,3-epoxipropoxi)phenyl]	≥20 - ≤50	SKIN IRRITATION - Category 2
propane		EYE IRRITATION - Category 2A
		SKIN SENSITIZATION - Category 1B
Phenol, polymer with	≥20 - ≤50	SKIN IRRITATION - Category 2
formaldehyde, glycidyl ether		EYE IRRITATION - Category 2A
(MW<=700)		SKIN SENSITIZATION - Category 1B
[3-(2,3-epoxypropoxy)propyl] trimethoxysilane	≥1.0 - ≤4.6	SERIOUS EYE DAMAGE - Category 1
carbon black	≥1.0 - ≤5.0	COMBUSTIBLE DUSTS CARCINOGENICITY - Category 2

#### California Prop. 65

Product name PR 1829 B 2 Part A

# Section 15. Regulatory information

**WARNING**: Cancer - www.P65Warnings.ca.gov.

# Section 16. Other information

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

Health : 3 \* 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 Asso	ociation (U.S.A.)
Health : 3 Flammal	bility : 1 Instability : 0
Date of previous issue	: 6/19/2021
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) 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 revision17 November 2021Version 13.01

Section 1. Identification		
Product name	: PR 1829 B 2 Part B	
Product code	: PR 1829 B 2 Part B	
Other means of identification	: Not available.	
Product type	: Solid.	
Relevant identified uses o	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	<ul> <li>This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).</li> </ul>
Classification of the substance or mixture	SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2
	Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 72.8% (dermal), 83.7% (inhalation)
GHS label elements	
Hazard pictograms	
Signal word	: Warning
Hazard statements	: May cause an allergic skin reaction. Suspected of causing cancer.
Procentionary statements	

Product name PR 1829 B 2 Part B

### 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. Avoid breathing dust. Contaminated work clothing must not be allowed out of the workplace.
Response	: IF exposed or concerned: Get medical advice or attention. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention.
Storage	: Store locked up.
Disposal	<ul> <li>Dispose of contents and container in accordance with all local, regional, national and international regulations.</li> </ul>
Supplemental label elements	: Emits toxic fumes when heated.
Hazards not otherwise classified	: None known.

# Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Product name	;	PR 1829 B 2 Part B

Ingredient name	%	CAS number
calcium carbonate	≥20 - ≤34	471-34-1
aluminium hydroxide	≥10 - ≤20	21645-51-2
titanium dioxide	≥1.0 - ≤5.0	13463-67-7
2,2'-thiodiethanethiol	<1.0	3570-55-6

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	<ul> <li>Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.</li> </ul>
Inhalation	<ul> <li>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.</li> </ul>
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.
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# Section 4. First aid measures

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

Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/sy	<u>mptoms</u>
Eye contact	: No specific data.
Inhalation	No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.
Indication of immediate	medical attention and special treatment needed, if necessary
Notes to physician	: Treat symptomatically Contact poison treatment specials

Notes to physician	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>
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. 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 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 sulfur oxides metal oxide/oxides
Special protective actions for fire-fighters	<ul> <li>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.</li> </ul>
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	:	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	onta	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). 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 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) 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.

### Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities	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			
calcium carbonate	ACGIH TLV (United States).			
	TWA: 3 mg/m <sup>3</sup> Form: Respirable			
	TWA: 10 mg/m <sup>3</sup> Form: Total dust			
	OSHA PEL (United States).			
	TWA: 5 mg/m <sup>3</sup> Form: Respirable			
	TWA: 15 mg/m <sup>3</sup>			
aluminium hydroxide	ACGIH TLV (United States, 1/2021).			
	TWA: 1 mg/m <sup>3</sup> 8 hours. Form: Respirable			
	fraction			
	ACGIH TLV (United States).			
	TWA: 1 mg/m <sup>3</sup>			
titanium dioxide	OSHA PEL (United States, 5/2018).			
	TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust			
	ACGIH TLV (United States, 1/2021).			
	TWA: 10 mg/m <sup>3</sup> 8 hours.			
2,2'-thiodiethanethiol	None.			
Key to abbreviations				
A = Acceptable Maximum Peak	S = Potential skin absorption			
ACGIH = American Conference of Governmental Industrial Hygienists.	SR = Respiratory sensitization			
C = 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			

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

#### Consult local authorities for acceptable exposure limits.

**Recommended monitoring** : If this product contains ingredients with exposure limits, personal, workplace procedures 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.

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Product name PR 1829 B 2 Part B

# Section 8. Exposure controls/personal protection

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 measure	<u>§</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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	: Safety 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.
Gloves	: butyl 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.

- Other skin protection: Appropriate footwear and any additional skin protection measures should be selected<br/>based on the task being performed and the risks involved and should be approved by a<br/>specialist before handling this product.Respiratory protection: Respirator selection must be based on known or anticipated exposure levels, the
  - 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	: Solid.
Color	: White.
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.

# **Section 9. Physical and chemical properties**

Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not applicable.
Evaporation rate	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not applicable.
Relative density	: 1.43
Density(lbs / gal)	: 11.93
Solubility	: Insoluble in the following materials: cold water.
Partition coefficient: n- octanol/water	: Not applicable.
Viscosity	: Kinematic (40°C (104°F)): Not applicable.
VOC	: 14 g/l
% 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 sulfur oxides 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	-	
aluminium hydroxide	LC50 Inhalation Dusts and mists	Rat	>5.09 mg/l	4 hours	
-	LD50 Oral	Rat	>5000 mg/kg	-	
titanium dioxide	LC50 Inhalation Dusts and mists	Rat	>6.82 mg/l	4 hours	
	LD50 Dermal	Rabbit	>5000 mg/kg	-	
	LD50 Oral	Rat	>5000 mg/kg	-	
2,2'-thiodiethanethiol	LD50 Oral	Rat	200 mg/kg	-	
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# Section 11. Toxicological information

Conclusion/Summary	: There ar	e no data a	available on the mixture itself.			
Irritation/Corrosion						
Conclusion/Summary						
Skin	ethanol, (ethanol	<ul> <li>1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with 2-(5-hexenylthio) ethanol, 2-mercaptoethanol-propylene oxide reaction products, 2,2'-thiobis (ethanol) and 2,2'-thiobis(ethanethiol): On basis of test data: Non-irritating to the skin.</li> <li>1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)- polymer with 2-(5-hexenylthio)</li> </ul>				
Eyes	ethanol,	: 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with 2-(5-hexenylthio) ethanol, 2-mercaptoethanol-propylene oxide reaction products, 2,2'-thiobis (ethanol) and 2,2'-thiobis(ethanethiol): On basis of test data: Non-irritating to the eyes.				
Respiratory		e no data a	available on the mixture itself.			
Sensitization						
Conclusion/Summary						
Skin	ethanol,	2-mercap	e-ethyl-2-(hydroxymethyl)-, polymer with 2-(5-hexenylthio) toethanol-propylene oxide reaction products, 2,2'-thiobis thiobis(ethanethiol): On basis of test data: Non-sensitizer to skin.			
Respiratory	: There ar	e no data a	available on the mixture itself.			
Mutagenicity						
Conclusion/Summary : 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with 2-(5-hexenylthio) ethanol, 2-mercaptoethanol-propylene oxide reaction products, 2,2'-thiobis (ethanol) and 2,2'-thiobis(ethanethiol): Not mutagenic in Ames test.						
Carcinogenicity						
<b>Conclusion/Summary</b>	: There ar	e no data a	available on the mixture itself.			
<b>Classification</b>						
Product/ingredient name	OSHA	IARC	NTP			
titanium dioxide	-	2B	-			
Carcinogen Classificatio	n code:		<u> </u>			
IARC: 1, 2A, 2B, 3 NTP: Known to b OSHA: + Not listed/not reg	e a human care	cinogen; Rea	asonably anticipated to be a human carcinogen			
Reproductive toxicity						
Conclusion/Summary	: There are	e no data a	vailable on the mixture itself.			

#### **Teratogenicity**

Conclusion/Summary : There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

Not available.

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

Not available.

Target organs

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

#### Aspiration hazard

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# Section 11. Toxicological information

#### Not available.

#### Information on the likely routes of exposure

#### Potential acute health effects

Eye contact Inhalation Skin contact	<ul> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>May cause an allergic skin reaction.</li> </ul>
Ingestion	No known significant effects or critical hazards.
Over-exposure signs/symp	•
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.
Delayed and immediate effect	ts and also chronic effects from short and long term exposure
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	: There are no data available on the mixture itself.
Potential delayed effects	: 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	<u>ects</u>
General	: 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	: 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)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
calcium carbonate	N/A 6450 200	2500	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A

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# Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
titanium dioxide	Acute EC10 >14 mg/l	Algae	72 hours
	Acute LC50 >100 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 0.12 mg/l	Fish	96 hours

#### Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
2,2'-thiodiethanethiol	-	-	Not readily

#### **Bioaccumulative potential**

Not available.

#### 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 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**

### Product name PR 1829 B 2 Part B

# 14. Transport information

	DOT	IMDG	IATA
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.

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

: SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2

#### Composition/information on ingredients

Name	%	Classification
titanium dioxide 2,2'-thiodiethanethiol	<1.0	CARCINOGENICITY - Category 2 ACUTE TOXICITY (oral) - Category 3 SKIN SENSITIZATION - Category 1A

#### California Prop. 65

**WARNING**: Reproductive Harm - www.P65Warnings.ca.gov.

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# Section 15. Regulatory information

# Section 16. Other information

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

### Health : 2 \* Flammability : 0 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 Ass	sociation (U.S.A.)		
Health : 2 Flamma	ability : 0 Instability : 0		
Date of previous issue	: 6/19/2021		
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 = Intermediate 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, 197 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.