SAFETY DATA SHEET



Date of issue/Date of revision 5 June 2024 Version 4

Section 1. Identification	
Product name	: HI-TEMP 1000 GREEN F/S 24227
Product code	: 00440453
Other means of identification	: Not available.
Product type	: Liquid.
Relevant identified uses of	the substance or mixture and uses advised against
Product use	: Professional applications, Used by spraying.
Use of the substance/ mixture	: Coating.
Uses advised against	: Not applicable.
Manufacturer	: PPG Industries, Inc. One PPG Place Pittsburgh, PA 15272
Emergency telephone number	: (412) 434-4515 (U.S.) (514) 645-1320 (Canada) SETIQ Interior de la República: 800-00-214-00 (México) SETIQ Ciudad de México: (55) 5559-1588 (México)
Technical Phone Number	: 888-977-4762

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	 AMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A CARCINOGENICITY - Category 1A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 Fercentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 43.5% (oral), 49.1% (dermal), 39% (inhalation)

Product name HI-TEMP 1000 GREEN F/S 24227

Section 2. Hazards identification

This product contains TiO2 which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many products, TiO2 is utilized as a raw material in a liquid coating formulation. In this case, the TiO2 particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO2 when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8).

GHS label elements	
Hazard pictograms	
Signal word	: Danger
Hazard statements	 Fammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause cancer. May cause damage to organs through prolonged or repeated exposure. (hearing organs)
Precautionary statements	
Prevention	: Øbtain 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 or in a well-ventilated area. Do not breathe vapor. Wash thoroughly after handling.
Response	: F 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 ON SKIN: Wash with plenty of water. If skin irritation 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. 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	: Sanding and grinding dusts may be harmful if inhaled. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. 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. 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. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated. DANGER - RAGS, STEEL
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Section 2. Hazards identification

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Hazards not otherwise classified	: Prolonged or repeated contact may dry skin and cause irritation.
	WOOL OR WASTE SOAKED WITH THIS PRODUCT MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED. IMMEDIATELY AFTER EACH USE, PLACE RAGS, STEEL WOOL OR WASTE IN A SEALED WATER-FILLED METAL CONTAINER.

Section 3. Composition/information on ingredients

Substance/mixture
Product name

: Mixture

: HI-TEMP 1000 GREEN F/S 24227

Ingredient name	%	CAS number
dimethyl carbonate	≥20 - ≤37	616-38-6
xylene	≥10 - ≤14	1330-20-7
Spinels, iron titanium brown	≥5.0 - ≤10	68187-02-0
cobalt titanite green spinel	≥5.0 - ≤10	68186-85-6
Talc , not containing asbestiform fibres	≥5.0 - ≤10	14807-96-6
Wollastonite	≥5.0 - ≤10	13983-17-0
Mica-group minerals	≥1.0 - ≤5.0	12001-26-2
titanium dioxide	≥1.0 - ≤5.0	13463-67-7
ethylbenzene	≥1.0 - ≤3.4	100-41-4
crystalline silica, respirable powder (<10 microns)	<1.0	14808-60-7

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.
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

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Section 4. First aid measures

Eye contact	: Causes serious eye irritation.
Inhalation	: May cause respiratory irritation.
Skin contact	: 🛙 auses skin irritation. Defatting to the skin.
Ingestion	: No known significant effects or critical hazards.
<u>Over-exposure signs/sym</u>	<u>ptoms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking
Ingestion	: No specific data.
Indication of immediate me	dical attention and special treatment needed, if necessary
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. 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 device.

before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media	
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	: 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 Formaldehyde.

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Section 5. Fire-fighting measures

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, protect	tive equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. 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	ontainment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, 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.
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 :	E Vit 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

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Section 7. Handling and storage

Special precautions	 conly non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container. apors 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. Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be stored in purpose-built containers or in metal containers with tight-fitting, self-closing lids. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside. 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	: Store between the following temperatures: 0 to 35°C (32 to 95°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.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
dimethyl carbonate	None.
xylene	OSHA PEL (United States, 5/2018).
	[Xylenes]
	TWA: 435 mg/m ³ 8 hours.
	TWA: 100 ppm 8 hours.
	ACGIH TLV (United States, 7/2023). [p-
	xylene and mixtures containing p-xylene]
	Ototoxicant.
	TWA: 20 ppm 8 hours.
Spinels, iron titanium brown	OSHA PEL (United States).
	TWA: 15 mg/m ³ Form:
	TWA: 5 mg/m³ Form: Respirable
	TWA: 15 mg/m ³ Form: Total dust
	ACGIH TLV (United States).
	: 3 mg/m³ Form: Respirable
	: 10 mg/m³ Form: Total dust
cobalt titanite green spinel	ACGIH TLV (United States, 7/2023). [Nickel,
	insoluble inorganic compounds]
	TWA: 0.2 mg/m³, (as Ni) 8 hours. Form:
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Section 8. Exposure controls/personal protection

	Inhalable fraction
	ACGIH TLV (United States, 7/2023). [cobalt
	and inorganic compounds] Skin sensitizer.
	Inhalation sensitizer.
	TWA: 0.02 mg/m³, (as Co) 8 hours. Form:
	Inorganic
	ACGIH TLV (United States).
	TWA: 0.2 mg/m ³ Form: Total dust
	OSHA PEL (United States).
	TWA: 1 mg/m³, (as Ni) Form: Total dust
	TWA: 1 mg/m ³ , (as Ni)
	OSHA PEL (United States, 5/2018). [Nickel,
	metal and insoluble compounds]
	TWA: 1 mg/m³, (as Ni) 8 hours.
Talc , not containing asbestiform fibres	ACGIH TLV (United States, 7/2023).
	TWA: 2 mg/m ³ 8 hours. Form: Respirable
	OSHA PEL Z3 (United States).
	TWA: 2 mg/m ³
Wollastonite	ACGIH TLV (United States, 7/2023).
	TWA: 1 mg/m ³ 8 hours. Form: Inhalable
	fraction
Mica-group minerals	ACGIH TLV (United States, 7/2023).
	TWA: 0.1 mg/m³ 8 hours. Form: Respirable
	fraction
	OSHA PEL Z3 (United States, 6/2016).
	TWA: 20 mppcf 8 hours.
titanium dioxide	OSHA PEL (United States, 5/2018).
	TWA: 15 mg/m³ 8 hours. Form: Total dust
	ACGIH TLV (United States, 7/2023).
	TWA: 2.5 mg/m ³ 8 hours. Form: respirable
	fraction, finescale particles
ethylbenzene	ACGIH TLV (United States, 7/2023).
	Ototoxicant.
	TWA: 20 ppm 8 hours.
	OSHA PEL (United States, 5/2018).
	TWA: 435 mg/m ³ 8 hours.
amentalling alling magninghis neurolog (210 mignage)	TWA: 100 ppm 8 hours.
crystalline silica, respirable powder (<10 microns)	ACGIH TLV (United States, 7/2023). [Silica,
	crystalline]
	TWA: 0.025 mg/m ³ 8 hours. Form:
	Respirable
	OSHA PEL Z3 (United States, 6/2016).
	TWA: 10 mg/m ³ / (%SiO ₂ +2) 8 hours. Form:
	Respirable
	TWA: 250 mppcf / (%SiO ₂ +5) 8 hours. Form:
	Respirable
	OSHA PEL (United States, 5/2018). [Silica,
	crystalline]
	TWA: 50 μg/m³ 8 hours. Form: Respirable
	dust

Key to abbreviations

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Section 8. Exposure controls/personal protection

А	= Acceptable Maximum Pe	ak		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 Expo	osu	re Limit	TD	= Total dust
OSHA	= Occupational Safety and	He	alth Administration.	TLV	= Threshold Limit Value
R	= Respirable			TWA	= Time Weighted Average
Z	= OSHA 29 CFR 1910.120	0 S	ubpart Z - Toxic and Hazardous Substances		
Consult			eptable exposure limits.		
Recom proced	mended monitoring lures	:	Reference should be made to appropria guidance documents for methods for th also be required.		itoring standards. Reference to national nination of hazardous substances will
Appropr controls	riate engineering	:		er expo engineer	
Environ controls	mental exposure	:	Emissions from ventilation or work proc they comply with the requirements of er cases, fume scrubbers, filters or engine will be necessary to reduce emissions t	vironme ering m	ental protection legislation. In some odifications to the process equipment

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** : Chemical splash goggles.
- Skin protectionHand 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:
 - Not recommended: nitrile rubber Recommended: polyvinyl alcohol (PVA), Viton®

specialist before handling this product.

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 antistatic 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

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Section 8. Exposure controls/personal protection

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

<u>Appearance</u>			
Physical state	1	Liquid.	
Color	1	Green.	
Odor	1	Hydrocarbon.	
Odor threshold	1	Not available.	
рН	÷	Not applicable.	
Melting point	4	Not available.	
Boiling point	4	>37.78°C (>100°F)	
Flash point	4	Closed cup: 24°C (75.2°F)	
Auto-ignition temperature	1	Not available.	
Decomposition temperature	4	Not available.	
Flammability	4	Not available.	
Lower and upper explosive (flammable) limits	1	Not available.	
Evaporation rate	1	Not available.	
Vapor pressure	1	Not available.	
Vapor density	1	Not available.	
Relative density	1	1.44	
Density(lbs / gal)	4	12.02	
		Media	Result
Solubility(ies)	ł	cold water	Not soluble
Partition coefficient: n- octanol/water	:	Not applicable.	
Viscosity	4	Kinematic (40°C (104°F)): >	>21 mm²/s (>21 cSt)
Volatility	4	60% (v/v), 40.74% (w/w)	
% Solid. (w/w)	:	59.26	

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.

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Section 10. Stability and reactivity

Refer to protective measures listed in sections 7 and 8.
Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Depending on conditions, decomposition products may include the following materials: carbon oxides Formaldehyde. metal oxide/oxides

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
dimethyl carbonate	LC50 Inhalation Vapor	Rat	140000 mg/m ³	4 hours
2	LD50 Dermal	Rabbit	2.5 g/kg	-
	LD50 Oral	Rat	12.9 g/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
-	LD50 Oral	Rat	4.3 g/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	-
ethylbenzene	LC50 Inhalation Vapor	Rat	17.8 mg/l	4 hours
,	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-

Conclusion/Summary

: There are no data available on the mixture itself.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
x ylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
Conclusion/Cummons				•	· · · · · ·

<u>Conclusion/Summary</u>	
Skin	: There are no data available on the mixture itself.
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.
Classification	

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Section 11. Toxicological information

Product/ingredient name	OSHA	IARC	NTP
Vene cobalt titanite green spinel Wollastonite titanium dioxide ethylbenzene crystalline silica, respirable	- - - - +	3 2B 3 2B 2B 2B	- Known to be a human carcinogen. - - - Known to be a human carcinogen.
powder (<10 microns)			

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
dimethyl carbonate	Category 3	-	Respiratory tract irritation
xylene	Category 3	-	Respiratory tract irritation
Spinels, iron titanium brown	Category 3	-	Respiratory tract irritation
Talc , not containing asbestiform fibres	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Name		Route of exposure	Target organs
ethylbenzene	Category 2	-	-
	Category 2	-	hearing organs
	Category 1	inhalation	-

Target organs

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

Aspiration hazard

Name	Result
	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

Potential acute health effects

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Section 11. Toxicological information

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Eye contact	: Causes serious eye irritation.
Inhalation	: May cause respiratory irritation.
Skin contact	: 🖉 auses skin irritation. Defatting to the skin.
Ingestion	: No known significant effects or critical hazards.
<u>Over-exposure signs/sym</u>	<u>ptoms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking
Ingestion	: No specific data.
Delayed and immediate effe	ects and also chronic effects from short and long term exposure
Conclusion/Summary	Fhere are no data available on the mixture itself. 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. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. This product contains TiO2 which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many products, TiO2 is utilized as a raw material in a liquid coating formulation. In this case, the TiO2 particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO2 when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8). Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. 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 Long term exposure	: There are no data available on the mixture itself.

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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	: 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	: May cause 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	itv

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)
HI-TEMP 1000 GREEN F/S 24227	15957.8	2990.4	N/A	49.6	6.3
dimethyl carbonate	12900	2500	N/A	140	N/A
xylene	4300	1700	N/A	11	1.5
ethylbenzene	3500	17800	N/A	17.8	1.5

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Mimethyl carbonate titanium dioxide	Acute LC50 >100 mg/l Acute LC50 >100 mg/l Fresh water	Fish Daphnia - <i>Daphnia magna</i>	96 hours 48 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh water Chronic NOEC 1 mg/l Fresh water	Daphnia Daphnia - <i>Ceriodaphnia dubia</i>	48 hours

Persistence and degradability

Product/ingredient name	Test	Result		Dose		Inoculum
e thylbenzene	-	79 % - Rea	dily - 10 days	-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	radability
₩ylene ethylbenzene	-		-		Readily Readily	

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
dimethyl carbonate	0.354	-	Low
xylene	3.12	7.4 to 18.5	Low
ethylbenzene	3.6	79.43	Low

-

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Section 12. Ecological information

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. 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	IATA	
UN number	UN1263	UN1263	UN1263	
UN proper shipping name	PAINT	PAINT	PAINT	
Transport hazard class (es)	3	3	3	
Packing group	Ш	III	111	
Environmental hazards	No.	No.	No.	
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.	
Product RQ (lbs)	847.65	Not applicable.	Not applicable.	
RQ substances	(xylene, ethylbenzene)	Not applicable.	Not applicable.	

Additional information DOT : Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements. IMDG : None identified. IATA : None identified.

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14. Transport information

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) : At least one component is inactive.

SARA 302/304

SARA 304 RQ : Not applicable.

Composition/information on ingredients

No products were found.

SARA 311/312

Classification : FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A CARCINOGENICITY - Category 1A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 HNOC - Defatting irritant

Composition/information on ingredients

Name	%	Classification	
dimethyl carbonate	≥20 - ≤37	FLAMMABLE LIQUIDS - Category 2	
		EYE IRRITATION - Category 2A	
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)	
		(Respiratory tract irritation) - Category 3	
		HNOC - Defatting irritant	
xylene	≥10 - ≤14	FLAMMABLE LIQUIDS - Category 3	
		ACUTE TOXICITY (dermal) - Category 4	
		ACUTE TOXICITY (inhalation) - Category 4	
		SKIN IRRITATION - Category 2	
		EYE IRRITATION - Category 2A	
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)	
		(Respiratory tract irritation) - Category 3	
		ASPIRATION HAZARD - Category 1	
Spinels, iron titanium brown	≥5.0 - ≤10	EYE IRRITATION - Category 2A	
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)	
		(Respiratory tract irritation) - Category 3	
cobalt titanite green spinel	≥5.0 - ≤10	EYE IRRITATION - Category 2A	
		CARCINOGENICITY - Category 1A	
		SPECIFIC TARGET ORGAN TOXICITY (REPEATED	
		EXPOSURE) - Category 2	
Talc , not containing asbestiform	≥5.0 - ≤10	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)	
fibres		(Respiratory tract irritation) - Category 3	
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Section 15. Regulatory information

CARCINOGENICITY - Category 2	≥1.0 - ≤5.0	titanium dioxide
FLAMMABLE LIQUIDS - Category 2	≥1.0 - ≤3.4	ethylbenzene
ACUTE TOXICITY (inhalation) - Category 4		
CARCINOGENICITY - Category 2		
SPECIFIC TARGET ORGAN TOXICITY (REPEATED		
EXPOSURE) - Category 2		
ASPIRATION HAZARD - Category 1		
HNOC - Defatting irritant		
CARCINOGENICITY - Category 1A	<1.0	crystalline silica, respirable
SPECIFIC TARGET ORGAN TOXICITY (REPEATED		powder (<10 microns)
EXPOSURE) - Category 1		
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant CARCINOGENICITY - Category 1A SPECIFIC TARGET ORGAN TOXICITY (REPEATED	<1.0	

<u>SARA 313</u>

Supplier notification	Chemical name	<u>CAS number</u>	<u>Concentration</u>
	: viene	1330-20-7	7 - 13
	cobalt titanite green spinel	68186-85-6	3 - 7
	ethylbenzene	100-41-4	1 - 5

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.

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

California Prop. 65

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Section 16. Other information

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

Health : 2 * Flammability : 3 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.)

Health : 2 Flamma	ability : 3 Instability : 1
Date of previous issue	: 3/12/2022
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, 19	

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Section 16. Other information

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.