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# SAFETY DATA SHEET

### MC-86990PV 519 SILVER GLISTEN

Section 1. Identification		
GHS product identifier	:	MC-86990PV 519 SILVER GLISTEN
Chemical name	:	Mixture
CAS number	:	Mixture
Other means of identification	:	CC01066376
Product type	:	solid
Relevant identified uses of the subs	tance	or mixture and uses advised against
Product use	:	Industrial applications. Plastics.
Supplier's details	:	Avient Corporation
		230 N 48th Avenue Phoenix, AZ 85043
		(602) 269-3199
Emergency telephone number	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or
(with hours of operation)	•	accident).
(when nours of operation)		

### Section 2. Hazards identification

This mixture has not been evaluated as a whole. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status	:	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture	:	Not classified.
GHS label elements		
Signal word	:	No signal word.
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#### Hazard statements

No known significant effects or critical hazards.

#### **Precautionary statements**

	:	Not applicable.
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	None known.
Hazards not otherwise classified	:	None known.
		Not available.

### Section 3. Composition/information on ingredients

:

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	CC01066376

CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	>= 25 - <= 50	13463-67-7
2-Benzotriazolyl-4-methylphenol	>= 3 - <= 5	2440-22-4
Stearic acid	>= 1 - <= 3	57-11-4
Vinyl acetate	> 0 - <= 0.3	108-05-4
Quartz	> 0 - <= 0.3	14808-60-7

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



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#### **Description of necessary first aid measures**

Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

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

Potential acute health effects		
Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.
Over-exposure signs/symptoms		
Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Indication of immediate medical att	entio	n and special treatment needed, if necessary
Notes to physician	:	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)



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### Section 5. Fire-fighting measures

#### Extinguishing media

Suitable extinguishing media Unsuitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or $CO_2$ . 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 dioxide carbon monoxide nitrogen oxides metal oxide/oxides
Special protective actions for fire- fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
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 For emergency responders	:	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. Put on appropriate personal protective equipment. 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 containme	ent a	na cleaning up

Small spill	: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.



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Large spill

Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

### Section 7. Handling and storage

Precautions for safe handling

Protective measures Advice on general occupational hygiene	:	Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

### Section 8. Exposure controls/personal protection

:

#### **Control parameters**

#### **Occupational exposure limits**

Ingredient name	Exposure limits
Titanium dioxide	OSHA PEL 1989 (1989-03-01) TWA 10 mg/m3 Form: Total dust OSHA PEL (1993-06-30) TWA 15 mg/m3 Form: Total dust ACGIH TLV (1996-05-18) TWA 10 mg/m3
2-Benzotriazolyl-4-methylphenol	None.
Stearic acid	ACGIH TLV (2017-03-01) TWA 10 mg/m3 Form: Inhalable fraction



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	TWA 3 mg/m3 Form: Respirable fraction
Vinyl acetate	OSHA PEL 1989 (1989-03-01) TWA 30 mg/m3 10 ppm STEL 60 mg/m3 20 ppm
Quartz	OSHA PEL 1989 (1989-03-01) TWA 0.1 mg/m3 (Calculated as Quartz) Form: Respirable dust OSHA PEL Z3 (1997-09-03) TWA 250 MPPCF / (%SiO2+5) Form: Respirable TWA 10 MG /M3 / (%SiO2+2) Form: Respirable OSHA PEL Z3 (1997-09-03) TWA 30 MG /M3 / (%SiO2+2) Form: Total dust NIOSH REL (1994-06-01) TWA 0.05 mg/m3 Form: Respirable dust ACGIH TLV (2005-12-09) TWA 0.025 mg/m3 Form: Respirable fraction OSHA PEL (2016-06-23) TWA 0.05 mg/m3 Form: Respirable dust

Appropriate engineering controls Environmental exposure controls	:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measures		
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.



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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.
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

#### **Appearance**

Physical state	:	solid [Pellets.]
Color		GREY
Odor		Faint odor.
Odor threshold	:	Not available.
pH	:	Not available.
Melting point		Not available.
Boiling point	:	Not available.
Flash point	:	Not available.
Burning time	:	Not available.
Burning rate	:	Not available.
Evaporation rate		Not available.
Flammability (solid, gas)		Not available.
I minimus meg (soma, gas)	•	i (ot a (anaoit)
Lower and upper explosive	:	Lower: Not available.
Lower and upper explosive (flammable) limits	:	<b>Lower:</b> Not available. <b>Upper:</b> Not available.
(flammable) limits	:	Lower: Not available. Upper: Not available. Not available.
(flammable) limits Vapor pressure		Upper: Not available.
(flammable) limits Vapor pressure Vapor density		<b>Upper:</b> Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density		<b>Upper:</b> Not available. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility		<b>Upper:</b> Not available. Not available. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density	:	<b>Upper:</b> Not available. Not available. Not available. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility	:	<b>Upper:</b> Not available. Not available. Not available. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water	:	<b>Upper:</b> Not available. Not available. Not available. Not available. Not available. insoluble in water.
(flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n-	:	<b>Upper:</b> Not available. Not available. Not available. Not available. Not available. insoluble in water.
(flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water	:	Upper: Not available. Not available. Not available. Not available. Not available. insoluble in water. Not available.



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SADT Viscosity	:	Not available. <b>Dynamic:</b> Not available. <b>Kinematic:</b> Not available.
<u>Aerosol product</u>		
Heat of combustion	:	Not available.
Ignition distance	:	Not available.
Enclosed space ignition - Time	:	Not available.
equivalent		Not available.
Enclosed space ignition - Deflagration density	:	not available.
Flame height	:	Not available.
Flame duration	:	Not available.

### Section 10. Stability and reactivity

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	Stable under recommended storage and handling conditions (see Section 7).
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	Keep away from extreme heat and oxidizing agents.
Incompatible materials	:	Keep away from strong acids. Oxidizer.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### Section 11. Toxicological information

#### Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure	
Titanium oxide (TiO2)					
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h	
	Dusts and mists				
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-	
Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-					
	LD50 Oral	Rat	10,000 mg/kg	-	
Octadecanoic acid					
	LD50 Oral	Rat	4,600 mg/kg	-	
	-	0/47	-		



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	LD50 Dermal	Rabbit	5,000 mg/kg	-
Acetic acid ethenyl ester				
	LD50 Oral	Rat	2,900 mg/kg	-
	LC50 Inhalation	Rat	11.4 Mg/l	4 h
	Vapor		-	
	LD50 Dermal	Rabbit	2,335 mg/kg	-

Conclusion/Summary

: Mixture.Not fully tested.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Phenol, 2-(2H-benzotriazol-	Eyes - Mild irritant	Rabbit	-	24 hrs	-
2-yl)-4-methyl-					
Octadecanoic acid	Skin - Moderate irritant	Rabbit	-	24 hrs	-
	Skin - Mild irritant	Human	-	72 hrs	-

Conclusion/Summary Skin Eyes Respiratory	<ul><li>Mixture.Not fully tested.</li><li>Mixture.Not fully tested.</li><li>Mixture.Not fully tested.</li></ul>
<u>Sensitization</u>	
Conclusion/Summary Skin Respiratory	<ul><li>Mixture.Not fully tested.</li><li>Mixture.Not fully tested.</li></ul>
<b>Mutagenicity</b>	
Conclusion/Summary	: Mixture.Not fully tested.
<b>Carcinogenicity</b>	
Conclusion/Summary	: Mixture.Not fully tested.

#### **Classification**

Product/ingredient name	OSHA	IARC	NTP
Titanium oxide (TiO2)	-	2B	-
Acetic acid ethenyl ester	-	2B	-
Quartz	-	1	Known to be a human carcinogen.

#### **Reproductive toxicity**



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Conclusion/Summary	:	Mixture.Not fully tested.
conclusion, summary	•	initiation (of fully tobloa.

#### **Teratogenicity**

**Conclusion/Summary** Mixture.Not fully tested. :

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

Not available.

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

Name	Category	Route of exposure	Target organs
Quartz	Category 1	-	-

#### **Aspiration hazard**

Not available.

Information on the likely routes of exposure	:	Not available.
Potential acute health effects		
Eye contact	:	No known significant effects or critical
Inhalation	:	No known significant effects or critical
Skin contact	:	No known significant effects or critical
Ingestion	:	No known significant effects or critical

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.

#### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

:	Not available. Not available.
:	Not available. Not available.
	:



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#### Potential chronic health effects

Conclusion/Summary	:	Mixture.Not fully tested.
General Carcinogenicity Mutagenicity Teratogenicity Developmental effects	:	No known significant effects or critical hazards. No known significant effects or critical hazards.
Fertility effects	:	No known significant effects or critical hazards.
<u>Numerical measures of toxicity</u> <u>Acute toxicity estimates</u> N/A		
IVA		
Other information	:	This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

### Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure			
Titanium oxide (TiO2)						
	Acute LC50 > 1,000 Mg/l	Fish - Fundulus heteroclitus	96 h			
	Marine water					
	Acute LC50 3 Mg/l Fresh water	Crustaceans - Ceriodaphnia	48 h			
		dubia				
	Acute LC50 6.5 Mg/l Fresh	Daphnia - Daphnia pulex	48 h			
	water					
Acetic acid ethenyl ester						
•	Acute LC50 14 Mg/l Fresh water	Fish - Pimephales promelas	96 h			
	Acute LC50 10 - 100 Mg/l	Crustaceans - Crangon	48 h			
	Marine water	crangon				
MC-86990PV 519 SILVER G	LISTEN	· •	•			
Remarks - Acute - Aquatio	Chemicals are not readily available	Chemicals are not readily available as they are bound within the polymer matrix.				
invertebrates.						

Conclusion/Summary

: Chemicals are not readily available as they are bound within the



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		polymer matrix.
Persistence and degradability		
Conclusion/Summary :	:	Chemicals are not readily available as they are bound within the polymer matrix.
Conclusion/Summary :	:	Chemicals are not readily available as they are bound within the

polymer matrix.

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Phenol, 2-(2H-benzotriazol-2-yl)-4-	4.2	-	high
methyl-			
Octadecanoic acid	8.23	-	high
Acetic acid ethenyl ester	0.73	3.16	low

#### Mobility in soil

Soil/water partition coefficient (KOC)	:	Not available.
Other adverse effects	:	No known significant effects or critical hazards.

### **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. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

#### United States - RCRA Acute hazardous waste "P" List: Not listed



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#### United States - RCRA Toxic hazardous waste "U" List: Not listed

### Section 14. Transport information

U.S.DOT 49CFR Ground/Air/Water	:	Not regulated for transportation.
International Air ICAO/IATA	:	Not classified as dangerous goods under transport regulations.
International Water IMO/IMDG	:	Not classified as dangerous goods under transport regulations.

### Section 15. Regulatory information

U.S. Federal regulations	<ul> <li>United States - TSCA 12(b) - Chemical export notification: None of the components are listed.</li> <li>United States - TSCA 4(a) - Final Test Rules: Not listed</li> <li>United States - TSCA 4(a) - ITC Priority list: Not listed</li> <li>United States - TSCA 4(a) - Proposed test rules: Not listed</li> <li>United States - TSCA 4(f) - Priority risk review: Not listed</li> <li>United States - TSCA 5(a)2 - Final significant new use rules: Not listed</li> <li>United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed</li> <li>United States - TSCA 5(e) - Substances consent order: Not listed</li> <li>United States - TSCA 6 - Final risk management: Not listed</li> <li>United States - TSCA 6 - Proposed risk management: Not listed</li> <li>United States - TSCA 8(a) - Chemical risk rules: Not listed</li> <li>United States - TSCA 8(a) - Dioxin/Furane precusor: Not listed</li> <li>United States - TSCA 8(a) - Preliminary assessment report (PAIR): Not listed</li> <li>United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> </ul>



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United States - EPA Clean water act (CWA) section 311 -Hazardous substances: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances: Not listed United States - Department of commerce - Precursor chemical: Not listed

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	:	Listed
Clean Air Act Section 602 Class I	:	Not listed
Substances Clean Air Act Section 602 Class II	:	Not listed
Substances DEA List I Chemicals (Precursor		Not listed
Chemicals)	•	
DEA List II Chemicals (Essential Chemicals)	:	Not listed

#### US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312

Classification

: Not applicable.

#### **Composition/information on ingredients**

No products were found.

Name	%	Classification	
Titanium oxide (TiO2)	>= 25 - <= 50	CARCINOGENICITY - Category 2	
Phenol, 2-(2H-benzotriazol- 2-yl)-4-methyl-	>= 3 - <= 5	EYE IRRITATION - Category 2B	
Octadecanoic acid	>= 1 - <= 3	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A	
Acetic acid ethenyl ester	> 0 - <= 0.3	FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY - inhalation - Category 4 CARCINOGENICITY - Category 2	
Quartz	> 0 - <= 0.3	CARCINOGENICITY - inhalation - Category 1A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1	
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#### Form R - Reporting requirements

Product name	CAS number	%
Zinc ferrite brown spinel (C.I. Pigment Yellow 119)	68187-51-9	>= 1 - <= 3
Vinyl acetate	108-05-4	> 0 - <= 0.3

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.

Not applicable.

State regulations		
Massachusetts	:	None of the components are listed.
New York	:	The following components are listed:
		Vinyl acetate
New Jersey	:	The following components are listed:
		Titanium dioxide
		Calcium carbonate
		Zinc ferrite brown spinel (C.I. Pigment Yellow 119)
		Vinyl acetate
		Quartz
Pennsylvania	:	The following components are listed:
		Titanium dioxide
		Calcium carbonate
		Zinc ferrite brown spinel (C.I. Pigment Yellow 119)
		Vinyl acetate
		Quartz

#### California Prop. 65

**WARNING:** This product can expose you to chemicals including Titanium dioxide, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
Titanium dioxide	-	-
Quartz	-	-



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:	All components are active or exempted.
:	At least one component is not listed in DSL but all such components are listed in NDSL.
:	All components are listed or exempted. At least one component is not listed in DSL but all such components are listed in NDSL. All components are listed or exempted. All components are listed or exempted.
:	Not determined.
:	All components are listed or exempted. All components are listed or exempted. All components are listed or exempted. All components are listed or exempted. Not determined. All components are active or exempted.
	:::::::::::::::::::::::::::::::::::::::

### Section 16. Other information

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

Health	/	0	
Flammability		0	
Physical hazards			

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual. History

Date of printing	:	06/07/2022
Date of issue/Date of revision	:	06/06/2022
Date of previous issue	:	01/04/2019



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Version	:	1.2
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)
References	:	UN = United Nations Not available.

#### Notice to reader

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