#### FRENCH GREY

Version Number 1.4 Revision Date 04/25/2019

ne

Page 1 of 18 Print Date 04/26/2019

# SAFETY DATA SHEET

#### FRENCH GREY

Section 1. Identification	n	
GHS product identifier	:	FRENCH GREY
Chemical name	:	Mixture
CAS number	:	Mixture
Other means of identification	:	CC10187211
Product type	:	solid
Relevant identified uses of the subst	ance	or mixture and uses advised against
Product use	:	Industrial applications. Plastics.
~ ~ ~ ~ ~ ~		
Supplier's details	:	POLYONE CORPORATION
		33587 Walker Road, Avon Lake, OH 44012
		1 (440) 930-1000 or 1 (866) POLYONE
Emergency telephone number (with hours of operation)	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).

## 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.
		1/18

## FRENCH GREY

Version Number 1.4 Revision Date 04/25/2019

Page 2 of 18 Print Date 04/26/2019

Hazard statements

No known significant effects or critical hazards.

#### **Precautionary statements**

General	:	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.

## Section 3. Composition/information on ingredients

:

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	CC10187211

#### CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	25 - 50	13463-67-7
Diundecyl phthalate	5 - 10	3648-20-2
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	5 - 10	68515-48-0
Silica, amorphous	1 - 3	7631-86-9
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.



## FRENCH GREY

Version Number 1.4 Revision Date 04/25/2019 Page 3 of 18 Print Date 04/26/2019

Occupational exposure limits, if available, are listed in Section 8.

## **Section 4. First aid measures**

#### **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.
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 Inhalation Skin contact Ingestion Over-exposure signs/symptoms	:	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Eye contact Inhalation Skin contact	::	No specific data. No specific data. No specific data.
Ingestion	:	No specific data.
Indication of immediate medical atte	ntio	n 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.

## FRENCH GREY

Version Number 1.4 Revision Date 04/25/2019 <u>PolyOne</u>

Page 4 of 18 Print Date 04/26/2019

See toxicological information (Section 11)

# Section 5. Firefighting measures

#### Extinguishing media

Suitable extinguishing media Unsuitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or $\rm CO_2$ . None known.
Specific hazards arising from the chemical	:	No specific fire or explosion hazard.
Hazardous thermal decomposition products	:	May emit Hydrogen Chloride (HCl). Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds 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 containment and cleaning up

## FRENCH GREY



Version Number 1.4 Revision Date 04/25/2019		Page 5 of 18 Print Date 04/26/2019
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.
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
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
	TWA 30 MG /M3 / (%SiO2+2) Form: Total dust

## FRENCH GREY

PolyOne

Version Number 1.4 Revision Date 04/25/2019 Page 6 of 18 Print Date 04/26/2019

	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
silica, amorphous	NIOSH REL (1994-06-01) TWA 6 mg/m3
Diundecyl phthalate	None.
,2-Benzenedicarboxylic acid, di-C8-10- ranched alkyl esters, C9-rich	None.
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
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.
dividual protection measures	
Hygiene measures :   Eye/face protection :	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. 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.
ikin protection	
Hand protection :	Chemical-resistant, impervious gloves complying with an approved

## FRENCH GREY



Version Number 1.4	Page 7 of 18
Revision Date 04/25/2019	Print Date 04/26/2019

Body protection	:	standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. 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 Color	: G	blid [Pellets.] REY
Odor	• -	aint odor.
Odor threshold	• •	ot available.
рН	• •	ot available.
Melting point	: N	ot available.
Boiling point	: N	ot available.
Flash point	: N	ot available.
Burning time	: N	ot available.
Burning rate	: N	ot available.
Evaporation rate	: N	ot available.
Flammability (solid, gas)	: N	ot available.
Lower and upper explosive	: L	ower: Not available.
(flammable) limits	U	pper: Not available.
Vapor pressure	: N	ot available.
Vapor density	: N	ot available.
Relative density	: N	ot available.
Solubility	: N	ot available.
Solubility in water	: in	soluble in water.
Partition coefficient: n- octanol/water	: N	ot available.
Auto-ignition temperature	: N	ot available.
Decomposition temperature	: N	ot available.
SADT	: N	ot available.
Viscosity	: D	ynamic: Not available.
v		<b>inematic:</b> Not available.

## FRENCH GREY

Version Number 1.4 Revision Date 04/25/2019



#### Page 8 of 18 Print Date 04/26/2019

## 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	:	Avoid contact with acetal homopolymers and acetyl homopolymers during processing.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Section 11. Toxicological 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.

#### **Information on toxicological effects**

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure	
Remarks - Oral:	No applicable toxic	city data			
Remarks - Inhalation:	No applicable toxic	city data			
Remarks - Dermal:	No applicable toxic	city data			
Remarks - Oral:	No applicable toxic	city data			
Remarks - Inhalation:	No applicable toxic	city data			
Remarks - Dermal:	No applicable toxic	city data			
Remarks - Oral:	No applicable toxicity data				
<b>Remarks - Inhalation:</b>	No applicable toxicity data				
Remarks - Dermal:	No applicable toxicity data				
1,2-Benzenedicarboxylic acid,	di-C8-10-branched a	di-C8-10-branched alkyl esters, C9-rich			
	LD50 Oral	LD50 Oral Rat 10,000 mg/kg -			
<b>Remarks - Inhalation:</b>	No applicable toxic	No applicable toxicity data			
Remarks - Dermal:	No applicable toxic	No applicable toxicity data			
Titanium dioxide	ium dioxide				
Remarks - Oral:	No applicable toxicity data				
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h	
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-	
<b>Conclusion/Summary</b>	<b>y</b> : Mixture.Not fully tested.				

## FRENCH GREY

Version Number 1.4 Revision Date 04/25/2019 Page 9 of 18 Print Date 04/26/2019

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Silica, amorphous	Eyes - Mild	Rabbit		24 hrs	-
	irritant				
Diundecyl phthalate	Eyes - Mild	Rabbit			-
	irritant	D 111			
1,2-Benzenedicarboxylic	Eyes - Mild	Rabbit			-
acid, di-C8-10-branched	irritant				
alkyl esters, C9-rich Titanium dioxide	Skin - Mild	Human		72 hrs	
Thainum dioxide	irritant	Tuman		721118	-
Conclusion/Summary	IIIItalli				
Skin	: N	lixture.Not ful	llv tested		
Eyes		lixture.Not ful			
Respiratory		lixture.Not ful			
Ţ			<b>j</b>		
<b>Sensitization</b>					
Conclusion/Summary					
Skin		lixture.Not ful			
Respiratory	: N	lixture.Not ful	lly tested.		
<u>Mutagenicity</u>					
Conclusion/Summary	: N	lixture.Not fu	lly tested.		
<b>Carcinogenicity</b>					
Conclusion/Summary <u>Classification</u>	: N	lixture.Not ful	lly tested.		
Product/ingredient	OSHA	IARC	NTP		
name					
Quartz		1	Known	to be a human card	cinogen.
Silica, amorphous		3			
Titanium dioxide		2B			
<b>Reproductive toxicity</b>					
Conclusion/Summary	: N	lixture.Not ful	lly tested.		
<u>Teratogenicity</u>					
Conclusion/Summary	: N	lixture.Not fu	lly tested.		
		9/18	2		

PolyOne.

9/18



## FRENCH GREY

Version Number 1.4 Revision Date 04/25/2019 Page 10 of 18 Print Date 04/26/2019

#### Specific target organ toxicity (single exposure) Not available.

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

Specific target organ toxicity Product/ingredient name	<u>(repeated exposu</u> Category	Route of exposu	ire Target organs
	Category 1	Noute of exposu	
Zuarz	Category 1		
<u> </u>		1	I
Aspiration hazard Not available.			
Information on likely routes o exposure	f : Not a	vailable.	
Potential acute health effects			
Eye contact		nown significant effects or	
Inhalation		nown significant effects of	
Skin contact		nown significant effects of	
Ingestion	: No k	nown significant effects of	r critical hazards.
Symptoms related to the physic			<u>istics</u>
Eye contact	-	pecific data.	
Inhalation	1	pecific data.	
Skin contact		pecific data.	
Ingestion	: No sp	pecific data.	
Delayed and immediate effects	s as well as chron	ic effects from short and	long-term exposure
Short term exposure			
Potential immediate effects	• • • • •	vailable.	
Potential delayed effects	: Not a	vailable.	
Long term exposure			
Potential immediate effects	: Not a	vailable.	
Potential delayed effects		vailable.	
Potential chronic health effec	<u>ts</u>		
Conclusion/Summary	: Mixt	ure.Not fully tested.	

### FRENCH GREY

Version Number 1.4 Revision Date 04/25/2019

Page 11 of 18 Print Date 04/26/2019

General Carcinogenicity Mutagenicity Teratogenicity **Developmental effects Fertility effects** 

No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. : No known significant effects or critical hazards. : No known significant effects or critical hazards. : No known significant effects or critical hazards. :

Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

:

:

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
Quartz			
Remarks - Acute - Fish:	No applicable toxicity data		
Remarks - Acute - Aquatic	No applicable toxicity data		
invertebrates.:			
Remarks - Acute - Aquatic	No applicable toxicity data		
plants:			
Remarks - Chronic - Fish:	No applicable toxicity data		
Remarks - Chronic -	No applicable toxicity data		
Aquatic invertebrates.:			
Silica, amorphous			
Remarks - Acute - Fish:	No applicable toxicity data		
Remarks - Acute - Aquatic	No applicable toxicity data		
invertebrates.:			
Remarks - Acute - Aquatic	No applicable toxicity data		
plants:			
Remarks - Chronic - Fish:	No applicable toxicity data		
Remarks - Chronic -	No applicable toxicity data		
Aquatic invertebrates.:			
Diundecyl phthalate			
Remarks - Acute - Fish:	No applicable toxicity data		
	Acute EC50 12 Mg/l Fresh water	Aquatic invertebrates.	48 h
		Daphnia	
Remarks - Acute - Aquatic	Acute		
invertebrates.:			
	11/18		



# vOne



## FRENCH GREY

Version Number 1.4 Revision Date 04/25/2019 Page 12 of 18 Print Date 04/26/2019

Remarks - Acute - Aquatic	No applicable toxicity data		
plants:			
Remarks - Chronic - Fish:	No applicable toxicity data		
	Chronic NOEC 0.000059 Mg/l	Aquatic invertebrates.	21 d
	Fresh water	Daphnia	
Remarks - Chronic -	Chronic		
Aquatic invertebrates.:			
	di-C8-10-branched alkyl esters, C9-rid	ch	
Remarks - Acute - Fish:	No applicable toxicity data		
Remarks - Acute - Aquatic	No applicable toxicity data		
invertebrates.:			
Remarks - Acute - Aquatic	No applicable toxicity data		
plants:			
Remarks - Chronic - Fish:	No applicable toxicity data		
Remarks - Chronic -	No applicable toxicity data		
Aquatic invertebrates.:			
Titanium dioxide			
	Acute LC50 > 1,000 Mg/l Marine	Fish - Fish	96 h
	water		
Remarks - Acute - Fish:	Acute		
	Acute LC50 3 Mg/l Fresh water	Aquatic invertebrates.	48 h
		Crustaceans	
<b>Remarks - Acute - Aquatic</b>	Acute		
invertebrates.:		1	
	Acute LC50 6.5 Mg/l Fresh waterAquatic invertebrates.48 h		48 h
		Daphnia	
Remarks - Acute - Aquatic	Acute		
invertebrates.:			
Remarks - Acute - Aquatic	No applicable toxicity data		
plants:			
Remarks - Chronic - Fish:	No applicable toxicity data		
Remarks - Chronic -	No applicable toxicity data		
Aquatic invertebrates.: FRENCH GREY			
	<u>Classical</u> (11)	- d	1
Remarks - Acute - Aquatic invertebrates.:	Chemicals are not readily available a	is they are bound within the	e polymer matrix.
Conclusion/Summary	Chamicala are not readil	y available as they are bou	nd within the
Conclusion/Summary	: Chemicals are not readil polymer matrix.	ly available as they are bou	na wiunn the
	porymer maura.		
Persistence and degradability	<u>v</u>		
Conclusion/Summary	: Chemicals are not readil	y available as they are bou	nd within the
Conclusion/Summary	polymer matrix.	ly available as uney are bou	
	porymer maurx.		

## FRENCH GREY

Version Number 1.4 Revision Date 04/25/2019



#### Page 13 of 18 Print Date 04/26/2019

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
1,2-Benzenedicarboxylic acid, di-C8-	8.8	3.00	low
10-branched alkyl esters, C9-rich			

#### Mobility in soil

Soil/water partition coefficient	:	Not available.
(KOC)		
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

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.

## FRENCH GREY

Version Number 1.4 Revision Date 04/25/2019

# PolyOne

Page 14 of 18 Print Date 04/26/2019

International Water IMO/IMDG : Not classified as dangerous goods under transport regulations.

# Section 15. Regulatory information

U.S. Federal regulations	: United States - TSCA 12(b) - Chemical export notification: None of the components are listed. United States - TSCA 4(a) - Final Test Rules: Listed 1,2- Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich
	United States - TSCA 4(a) - ITC Priority list: Not listed United States - TSCA 4(a) - Proposed test rules: Not listed United States - TSCA 4(f) - Priority risk review: Not listed United States - TSCA 5(a)2 - Final significant new use rules: Not listed United States - TSCA 5(a)2 - Proposed significant new use rules:
	Not listed United States - TSCA 5(e) - Substances consent order: Not listed United States - TSCA 6 - Final risk management: Not listed United States - TSCA 6 - Proposed risk management: Not listed United States - TSCA 8(a) - Chemical risk rules: Not listed United States - TSCA 8(a) - Chemical risk rules: Not listed United States - TSCA 8(a) - Dioxin/Furane precusor: Not listed United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined United States - TSCA 8(a) - Preliminary assessment report (PAIR): Not listed United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed United States - TSCA 8(d) - Health and safety studies: Not listed United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Rutile, antimony chromium buff
	Vinyl chloride monomer 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)	: Listed

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)

## **FRENCH GREY**

Version Number 1.4 Revision Date 04/25/2019

Page 15 of 18 Print Date 04/26/2019

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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)	•	Not listed
DEA List II Chemicals (Essential	:	Not listed
Chemicals)		

#### 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
Quartz	> 0 - <= 0.3	CARCINOGENICITY - Category 1A
		SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1
		EAFOSURE) - Calegory 1
Silica, amorphous	>= 1 - <= 3	EYE IRRITATION - Category 2B
Diundecyl phthalate	>= 5 - <= 10	EYE IRRITATION - Category 2B
1,2-Benzenedicarboxylic	>= 5 - <= 10	EYE IRRITATION - Category 2B
acid, di-C8-10-branched		
alkyl esters, C9-rich	25 50	
Titanium dioxide	>= 25 - <= 50	CARCINOGENICITY - Category 2

#### SARA 313

Not applicable.

#### **State regulations** Massachusetts : New York : **New Jersey**

None of the components are listed. None of the components are listed. The following components are listed: Titanium dioxide Ethene, chloro-, homopolymer Calcium carbonate

:

## FRENCH GREY

Version Number 1.4 Revision Date 04/25/2019 Page 16 of 18 Print Date 04/26/2019

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Pennsylvania

Quartz The following components are listed: Quartz Aluminum hydroxide Silica, amorphous Calcium carbonate

Titanium dioxide

#### California Prop. 65

**WARNING:** This product can expose you to chemicals including Titanium dioxide, 1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich, Quartz, 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	No.	No.
1,2-Benzenedicarboxylic acid, di-C8-10-	No.	No.
branched alkyl esters, C9-rich		
Quartz	No.	No.

United States inventory (TSCA 8b)	:	All components are listed or exempted.
Canada inventory	:	At least one component is not listed in DSL but all such components are listed in NDSL.
International regulations		
Inventory list		
Australia	:	All components are listed or exempted.
Canada	:	At least one component is not listed in DSL but all such components are listed in NDSL.
China	:	Not determined.
Europe inventory	:	All components are listed or exempted.
Japan	:	Not determined.
New Zealand	:	Not determined.
Philippines	:	Not determined.
Republic of Korea	:	Not determined.
Taiwan	:	All components are listed or exempted.
Turkey	:	Not determined.
United States	:	All components are listed or exempted.
		40/40

16/18



### FRENCH GREY

Version Number 1.4 Revision Date 04/25/2019 Page 17 of 18 Print Date 04/26/2019

## Section 16. Other information

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

Health	/	0
Flammability		0
Physical hazards		0

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	:	04/26/2019
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Date of previous issue	:	11/19/2018
Version	:	1.4
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, 1973 as modified by the Protocol of 1978. ("Marpol" = marine
		pollution)
		UN = United Nations
References		Not available.
Ketter enters	•	

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## FRENCH GREY

Version Number 1.4 Revision Date 04/25/2019 Page 18 of 18 Print Date 04/26/2019

materials or in any process, unless specified in the text.