

X GV SR-15364-1 Silver Gold

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SAFETY DATA SHEET

X GV SR-15364-1 Silver Gold

Section 1. Identification

GHS product identifier : X GV SR-15364-1 Silver Gold

Chemical name: MixtureCAS number: MixtureOther means of identification: EM10038088

Product type : solid

Relevant identified uses of the substance 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 : This material is considered hazardous by the OSHA Hazard

Communication Standard (29 CFR 1910.1200).

Classification of the substance or

mixture

ACUTE TOXICITY (oral) - Category 4

GHS label elements



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Hazard pictograms

❖

Signal word : Warning

Hazard statements : Harmful if swallowed.

Precautionary statements

General : Not applicable.

Prevention: Do not eat, drink or smoke when using this product. Wash hands

thoroughly after handling.

Response : IF SWALLOWED: Call a POISON CENTER or physician if you feel

unwell. Rinse mouth.

Storage : Not applicable.

Disposal: Dispose of contents and container in accordance with all local,

regional, national and international regulations.

Supplemental label elements : None known. **Hazards not otherwise classified** : None known.

Section 3. Composition/information on ingredients

Substance/mixture: MixtureChemical name: MixtureOther means of identification: EM10038088

CAS number/other identifiers

Ingredient name	%	CAS number
Copper	50 - 75	7440-50-8
Titanium dioxide	1 - 3	13463-67-7

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.



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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. Continue to rinse for at least 10 minutes. Get medical attention if

irritation occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable

for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated

clothing and shoes. Get medical attention if symptoms occur. Wash

clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as

a collar, tie, belt or waistband.

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 : Harmful if swallowed.

Over-exposure signs/symptoms

Eye contact : No specific data.



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

Indication of immediate medical 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. It may be dangerous to the person providing aid to

give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

decomposition products

Suitable extinguishing media : In case of fire, use water spray (fog), foam, dry chemical or CO₂. Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical
 Hazardous thermal
 Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
 Decomposition products may include the following materials:

carbon dioxide carbon monoxide

carbon monoxide metal oxide/oxides

Special protective actions for fire- : 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 should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated

in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and

unprotected personnel from entering. Do not touch or walk through



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spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

If specialised 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). Water polluting material. May be harmful to the environment if released in large quantities.

Methods and materials for containment and cleaning up

Small spill

Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill

Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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 in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area,



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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

P P O P	OSHA PEL 1989 (1989-03-01) expressed as Cu PEL: Permissible Exposure Level 0.1 mg/m3 Form: Fume PEL: Permissible Exposure Level 1 mg/m3 Form: Dusts and mists OSHA PEL (1993-06-30) PEL: Permissible Exposure Level 0.1 mg/m3 Form: Fume			
P O P	PEL: Permissible Exposure Level 1 mg/m3 Form: Dusts and mists OSHA PEL (1993-06-30) PEL: Permissible Exposure Level 0.1 mg/m3 Form: Fume			
OP	OSHA PEL (1993-06-30) PEL: Permissible Exposure Level 0.1 mg/m3 Form: Fume			
P	PEL: Permissible Exposure Level 0.1 mg/m3 Form: Fume			
n				
P	PEL: Permissible Exposure Level 1 mg/m3 Form: Dusts and mists			
N	NIOSH REL (1994-06-01) expressed as Cu			
Т	Time Weighted Average (TWA) 1 mg/m3 Form: Dusts and mists			
A	ACGIH TLV (1994-09-01)			
Т	ΓLV-TWA: Threshold Limit Value - Time weighted average PEL:			
P	Permissible Exposure Level 0.2 mg/m3 Form: Fume			
	ACGIH TLV (1994-09-01) expressed as Cu			
T	ΓLV-TWA: Threshold Limit Value - Time weighted average PEL:			
	Permissible Exposure Level 1 mg/m3 Form: Dusts and mists			
	Termissione Exposure Ecver 1 mg/ms 1 orm. Busis and mists			
Titanium dioxide C	OSHA PEL 1989 (1989-03-01)			
P	PEL: Permissible Exposure Level 10 mg/m3 Form: Total dust			
C	OSHA PEL (1993-06-30)			
P	PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust			
	NIOSH REL (1994-06-01)			
A	ACGIH TLV (1996-05-18)			
	ΓLV-TWA: Threshold Limit Value - Time weighted average PEL:			
P	Permissible Exposure Level 10 mg/m3			

Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers,



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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.

Skin protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. 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.

Section 9. Physical and chemical properties

Appearance



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Physical state : solid [Pellets.]

Color : GREY

Not available. Odor **Odor threshold** Not available. Hq 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.

Lower and upper explosive : Lower: Not available. (flammable) limits : Upper: Not available.

Vapor pressureNot available.Vapor densityNot available.Relative densityNot available.SolubilityNot available.Solubility in waterNot available.Partition coefficient: n-Not available.

octanol/water

products

Auto-ignition temperature: Not available.Decomposition temperature: Not available.SADT: Not available.

Viscosity : Dynamic: Not available.

Kinematic: Not available.

Killellatic. 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 : Under normal conditions of storage and use, hazardous decomposition

products should not be produced.

Section 11. Toxicological information



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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
Titanium dioxide				
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-
Copper				
	LD50 Oral	Rat	482 mg/kg	-

Conclusion/Summary : Mixture.Not fully tested.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium dioxide	Skin - Mild	Human		72 hrs	=
	irritant				

Conclusion/Summary

Skin: Mixture.Not fully tested.Eyes: Mixture.Not fully tested.Respiratory: Mixture.Not fully tested.

Sensitization

Conclusion/Summary

Skin : Mixture.Not fully tested. **Respiratory** : Mixture.Not fully tested.

Mutagenicity

Conclusion/Summary : Mixture.Not fully tested.

Carcinogenicity

Conclusion/Summary: Mixture.Not fully tested.

Classification

Classification				
Product/ingredient	OSHA	IARC	NTP	
name				
Titanium dioxide		2B		

Reproductive toxicity



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Conclusion/Summary : Mixture. Not fully tested.

Teratogenicity

Conclusion/Summary : Mixture. Not fully tested.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

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 hazards.Inhalation: No known significant effects or critical hazards.Skin contact: No known significant effects or critical hazards.

Ingestion : Harmful if swallowed.

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

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Potential chronic health effects



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Conclusion/Summary : Mixture.Not fully tested.

General: No known significant effects or critical hazards.Carcinogenicity: No known significant effects or critical hazards.Mutagenicity: No known significant effects or critical hazards.Teratogenicity: No known significant effects or critical hazards.Developmental effects: No known significant effects or critical hazards.Fertility effects: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	641 mg/kg

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium dioxide			
	Acute LC50 > 1,000,000 μg/l	Fish - Fish	96 h
	Marine water		
	Acute LC50 > 1,000 mg/l Fresh	Fish - Fish	96 h
	water		
	Acute LC50 13 mg/l Fresh water	Aquatic invertebrates.	48 h
		Daphnia	
	Acute LC50 6.5 mg/l Fresh water	Aquatic invertebrates.	48 h
		Daphnia	
	Acute LC50 3 mg/l Fresh water	Aquatic invertebrates.	48 h
		Crustaceans	
	Acute LC50 15.9 mg/l Fresh water	Aquatic invertebrates.	48 h
		Crustaceans	
	Acute LC50 3.6 mg/l Fresh water	Aquatic invertebrates.	48 h
		Crustaceans	
	Acute LC50 11 mg/l Fresh water	Aquatic invertebrates.	48 h
		Crustaceans	
	Acute LC50 13.4 mg/l Fresh water	Aquatic invertebrates.	48 h
		Crustaceans	
	Acute EC50 27.8 mg/l Fresh water	Aquatic invertebrates.	48 h
		Daphnia	



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	Acute EC50 19.3 mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute EC50 35.306 mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
Copper		-	•
	Acute LC50 16 μg/l Fresh water	Fish - Fish	96 h
	Acute LC50 9.4 μg/l Fresh water	Fish - Fish	96 h
	Acute LC50 10.3 µg/l Fresh water	Fish - Fish	96 h
	Acute LC50 7.56 μg/l Marine	Fish - Fish	96 h
	water		
	Acute LC50 8.7 μg/l Fresh water	Fish - Fish	96 h
	Acute EC50 3.1 μg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute EC50 2.1 μg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute EC50 2.5 μg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute EC50 3.2 μg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute EC50 1.6 μg/l Fresh water	Aquatic invertebrates. Crustaceans	48 h
	Acute LC50 0.072 μg/l Marine water	Aquatic invertebrates. Crustaceans	48 h
	Acute EC50 1 μg/l Fresh water	Aquatic invertebrates. Crustaceans	48 h
	Acute EC50 1.6 µg/l Fresh water	Aquatic invertebrates. Crustaceans	48 h
	Acute EC50 1.6 μg/l Fresh water	Aquatic invertebrates. Crustaceans	48 h
	Acute LC50 3.1 μg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute EC50 18 μg/l Marine water	Aquatic plants - Algae	72 h
	Acute IC50 16 µg/l Fresh water	Aquatic plants - Algae	72 h
	Acute EC50 18 μg/l Fresh water	Aquatic plants - Algae	72 h
	Acute IC50 13 µg/l Fresh water	Aquatic plants - Algae	72 h
	Acute IC50 18 µg/l Marine water	Aquatic plants - Algae	72 h
	Acute EC50 1,100 μg/l Fresh water	Aquatic plants - Aquatic plants	96 h
	Acute IC50 5.4 mg/l Marine water	Aquatic plants - Aquatic plants	72 h
	Acute NOEC 2.5 µg/l Marine water	Aquatic plants - Algae	3 d
	Acute NOEC 3 μg/l Marine water	Aquatic plants - Algae	3 d
	Acute NOEC 3.2 μg/l Fresh water	Aquatic plants - Algae	3 d
	Acute NOEC 0.013 mg/l Marine	Aquatic plants - Algae	4 d



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	water		
	Acute NOEC 7 mg/l Fresh water	Aquatic plants - Aquatic plants	3 d
	Acute EC10 0.032 mg/l Marine water	Aquatic plants - Algae	4 d
	Chronic NOEC 1.7 µg/l Fresh water	Fish - Fish	28 d
	Chronic NOEC 0.8 µg/l Fresh water	Fish - Fish	42 d
	Chronic NOEC 1.2 µg/l Fresh water	Fish - Fish	42 d
	Chronic NOEC 0.8 µg/l Fresh water	Fish - Fish	42 d
	Chronic NOEC 0.8 µg/l Fresh water	Fish - Fish	42 d
	Chronic NOEC 30.3 µg/l Fresh water	Aquatic invertebrates. Daphnia	21 d
	Chronic NOEC 15 µg/l Fresh water	Aquatic invertebrates. Daphnia	21 d
	Chronic NOEC 2 µg/l Fresh water	Aquatic invertebrates. Daphnia	21 d
	Chronic NOEC 29.4 µg/l Fresh water	Aquatic invertebrates. Daphnia	21 d
	Chronic NOEC 31.8 µg/l Fresh water	Aquatic invertebrates. Daphnia	21 d
	Chronic NOEC 0.02 mg/l Fresh water	Aquatic invertebrates. Crustaceans	21 d
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Remarks - Acute - Aquatic invertebrates.:	Chemicals are not readily available a	s they are bound within the	e polymer matrix.

Conclusion/Summary

: Chemicals are not readily available as they are bound within the 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
Titanium dioxide		352.00	low



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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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains

and sewers.

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 Classification : Not regulated for transportation.

ICAO/IATA : Consult mode specific transport rules

IMO/IMDG (maritime) : Consult mode specific transport rules

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: Not listed United States - TSCA 4(a) - ITC Priority list: Not listed United States - TSCA 4(a) - Proposed test rules: Not listed



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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) - 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 Titanium dioxide

Copper

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)

Clean Air Act Section 602 Class I

Substances

Clean Air Act Section 602 Class II

Substances

Chemicals)

DEA List I Chemicals (Precursor

DEA List II Chemicals (Essential

Chemicals)

Not listed

Not listed

Listed

Not listed

Not listed

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Chemical Name CAS-No. RQ for component



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Copper	5,000 lb(s) 2,270 kg

SARA 311/312

Classification : Immediate (acute) health hazard

Composition/information on ingredients

Name	%	Classification
Titanium dioxide	1 - 3	СН
Copper	50 - 75	АН

SARA 313

	Product name	CAS number	0/0
Form R - Reporting requirements	Copper	7440-50-8	50 - 75
	Titanium dioxide	13463-67-7	1 - 3
Supplier notification	Titanium dioxide	13463-67-7	1 - 3
	Copper	7440-50-8	50 - 75

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.

State regulations

Massachusetts : The following components are listed:

Mica

Titanium dioxide

Copper

New York : The following components are listed:

Copper

New Jersey : The following components are listed:

Copper Mica

Titanium dioxide

Pennsylvania: The following components are listed:

Copper



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Titanium dioxide

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

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

Canada inventory : All components are listed or exempted.

International regulations

International lists : Australia inventory (AICS): Not determined.

Taiwan inventory (CSNN): Not determined.

Malaysia Inventory (EHS Register): Not determined.

EINECS: Not determined.

Japan inventory: Not determined.

China inventory (IECSC): Not determined.

Korea inventory: Not determined.

New Zealand Inventory of Chemicals (NZIoC): Not determined.

Philippines inventory (PICCS): Not determined.

Chemical Weapons Convention

List Schedule I Chemicals

Chemical Weapons Convention

List Schedule II Chemicals

List Schedule II Chemicals

Chemical Weapons Convention

List Schedule III Chemicals

Not listed

Not listed

: Not listed

Section 16. Other information

History

Date of printing: 03/29/2016Date of issue/Date of revision: 03/28/2016Date of previous issue: 00/00/0000

Version : 1.0

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 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine

pollution)



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UN = United Nations

References : Not available.

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