GEON MC100 SILVER

Version Number 1.0 Revision Date 02/24/2017 PolyOne.

Page 1 of 16 Print Date 04/19/2017

SAFETY DATA SHEET

GEON MC100 SILVER

Section 1. Identification		
GHS product identifier	:	GEON MC100 SILVER
Chemical name	:	Mixture
CAS number	:	Mixture
Other means of identification	:	VC10011731
Product type	:	solid
<u>Relevant identified uses of the subs</u> Product use	tance :	e or mixture and uses advised against 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 for health effects. All ingredients are bound in a PVC polymer matrix and potential for hazardous exposure as shipped is minimal. PVC resin is manufactured from Vinyl Chloride Monomer (VCM). PVC resin manufacturers take special efforts to strip residual VCM from their resins. Residual VCM in the resin is typically below 8.5 ppm. However, VCM is a known carcinogen. The end-user (fabricator) should take necessary precautions (mechanical ventilation, local exhaust, respiratory protection, etc.) to protect employees from exposure to any vapors or dusts that may be released during heating or fabrication. See Sections 8 and 11 for special precautions.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



GEON MC100 SILVER

Version Number 1.0 Revision Date 02/24/2017

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Page 2 of 16 Print Date 04/19/2017

Signal word	:	No signal word.
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.

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Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	VC10011731

CAS number/other identifiers

Ingredient name	%	CAS number
Dibutyltin mercaptide	1 - 5	10584-98-2
Paraffin waxes and Hydrocarbon waxes	1 - 5	8002-74-2
Titanium dioxide	0.1 - 1	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.

Section 4. First aid measures



GEON MC100 SILVER

Version Number 1.0 Revision Date 02/24/2017

Page 3 of 16 Print Date 04/19/2017

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 Ingestion	::	No specific data. No specific data. No specific data. No specific data.
Indication of immediate medical att	entio	on and special treatment needed, if necessary
Notes to physician Specific treatments	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. 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)

Section 5. Firefighting measures

GEON MC100 SILVER

Version Number 1.0 Revision Date 02/24/2017



Page 4 of 16 Print Date 04/19/2017

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	:	May emit Hydrogen Chloride (HCl). Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides 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		
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
4/16		

olyOne

GEON MC100 SILVER

Version Number 1.0 Revision Date 02/24/2017 Page 5 of 16 Print Date 04/19/2017

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) PEL: Permissible Exposure Level 10 mg/m3 Form: Total dust OSHA PEL (1993-06-30) PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust NIOSH REL (1994-06-01)
	ACGIH TLV (1996-05-18) TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 10 mg/m3



GEON MC100 SILVER

Version Number 1.0 Revision Date 02/24/2017

Dibutyltin mercaptide	OSHA PEL (1993-06-30) as Sn
	PEL: Permissible Exposure Level 0.1 mg/m3
	NIOSH REL (1994-06-01) as Sn
	Time Weighted Average (TWA) 0.1 mg/m3
	OSHA PEL 1989 (1989-03-01) as Sn
	PEL: Permissible Exposure Level 0.1 mg/m3 Form: Organic.
	ACGIH TLV (1996-05-18) as Sn
	TLV-TWA: Threshold Limit Value - Time weighted average PEL:
	Permissible Exposure Level 0.1 mg/m3
	ACGIH TLV (1994-09-01) as Sn
	TLV-STEL: Threshold Limit Value - Short Time Exposure Level 0.2
	mg/m3
Paraffin waxes and Hydrocarbon waxes	OSHA PEL 1989 (1989-03-01)
5	PEL: Permissible Exposure Level 2 mg/m3
	NIOSH REL (1994-06-01)
	Time Weighted Average (TWA) 2 mg/m3 Form: Fume
	ACGIH TLV (1994-09-01)
	TLV-TWA: Threshold Limit Value - Time weighted average PEL:
	Permissible Exposure Level 2 mg/m3 Form: Fume
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,
	filters or engineering modifications to the process equipment will be
	necessary to reduce emissions to acceptable levels.
Individual protection measures	
Hygiono monsuros	Wash hands, forearms and face there usely after handling chemical
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	



GEON MC100 SILVER

Version Number 1.0 Revision Date 02/24/2017	Page 7 of 16 Print Date 04/19/2017
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	:	Not available.
Odor threshold	:	Not available.
рН	:	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.
	:	Upper: Not available. Not available.
(flammable) limits	:	
(flammable) limits Vapor pressure	:	Not available.
(flammable) limits Vapor pressure Vapor density	:	Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density	:	Not available. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility	: : : : : : : : : : : : : : : : : : : :	Not available. Not available. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water	: : : : : : : : : : : : : : : : : : : :	Not available. Not available. Not available. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n-	:	Not available. Not available. Not available. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water	:	Not available. Not available. Not available. Not available. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature		Not available. Not available. Not available. Not available. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature Decomposition temperature		Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature Decomposition temperature SADT		Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.



GEON MC100 SILVER

Version Number 1.0 Revision Date 02/24/2017

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
Titanium dioxide				
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-
Dibutyltin mercaptide				
	LD50 Oral	Rat	510 mg/kg	-
Paraffin waxes and Hydrocar	bon waxes	•		•
•	LD50 Oral	Rat	2,000 mg/kg	-
Conclusion/Summary	: Mixtu	re.Not fully tested.		

onclusion/Summary

Mixture.Not fully tested.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium dioxide	Skin - Mild irritant	Human		72 hrs	-
Paraffin waxes and Hydrocarbon waxes	Skin - Moderate irritant	Rabbit			-
	Eyes - Mild	Rabbit			-



GEON MC100 SILVER

Version Number 1.0 Revision Date 02/24/2017

Page 9 of 16 Print Date 04/19/2017

	irritant					
	Skin - Mild	Rabbit		24 hrs	-	
	irritant					
	Eyes - Mild	Rabbit		24 hrs	-	
	irritant					
Conclusion/Summary			· · · · •			
Skin		lixture.Not full				
Eyes Respiratory		lixture.Not full lixture.Not full				
Respiratory	: N	lixture.Not full	ly lested.			
Sensitization						
Conclusion/Summary						
Skin Daminatar		lixture.Not full				
Respiratory	: N	lixture.Not full	y tested.			
<u>Mutagenicity</u>						
Conclusion/Summary	: N	lixture.Not full	y tested.			
Carcinogenicity						
Conclusion/Summary	: N	lixture.Not full	y tested.			
Reproductive toxicity						
Conclusion/Summary	: N	lixture.Not full	y tested.			
<u>Teratogenicity</u>						
Conclusion/Summary	: N	lixture.Not full	y tested.			
Specific target organ toxic Not available.	ity (single exposu	<u>re)</u>				
Specific target organ toxic Not available.	ity (repeated exp	<u>osure)</u>				
Aspiration hazard Not available.						
Information on likely routo exposure	es of : N	ot available.				
Potential acute health effect	<u>ets</u>					



GEON MC100 SILVER

Version Number 1.0 Revision Date 02/24/2017 Page 10 of 16 Print Date 04/19/2017

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.

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 as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects Potential delayed effects	:	Not available. Not available.
Long term exposure		
Potential immediate effects Potential delayed effects	:	Not available. Not available.
Potential chronic health effects		
Conclusion/Summary	:	Mixture.Not fully tested.
General Carcinogenicity Mutagenicity	:	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
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.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

GEON MC100 SILVER

Version Number 1.0 Revision Date 02/24/2017



Page 11 of 16 Print Date 04/19/2017

Toxicity

Acute LC50 > 1,000,000 µg/l Marine water Acute LC50 > 1,000 mg/l Fresh water Acute LC50 > 1,000,000 µg/l Marine water Acute LC50 13 mg/l Fresh water Acute LC50 6.5 mg/l Fresh water Acute LC50 3 mg/l Fresh water Acute LC50 15.9 mg/l Fresh water Acute LC50 3.6 mg/l Fresh water	Fish - FishFish - FishFish - FishAquatic invertebrates.DaphniaAquatic invertebrates.DaphniaAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.	96 h 96 h 96 h 48 h 48 h 48 h 48 h
Marine water Acute LC50 > 1,000 mg/l Fresh water Acute LC50 > 1,000,000 µg/l Marine water Acute LC50 13 mg/l Fresh water Acute LC50 6.5 mg/l Fresh water Acute LC50 3 mg/l Fresh water Acute LC50 15.9 mg/l Fresh water Acute LC50 3.6 mg/l Fresh water	Fish - FishFish - FishAquatic invertebrates.DaphniaAquatic invertebrates.DaphniaAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.	96 h 96 h 48 h 48 h 48 h
Acute LC50 > 1,000 mg/l Fresh water Acute LC50 > 1,000,000 µg/l Marine water Acute LC50 13 mg/l Fresh water Acute LC50 6.5 mg/l Fresh water Acute LC50 3 mg/l Fresh water Acute LC50 15.9 mg/l Fresh water Acute LC50 3.6 mg/l Fresh water	Fish - FishAquatic invertebrates.DaphniaAquatic invertebrates.DaphniaAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.	96 h 48 h 48 h 48 h
water Acute LC50 > 1,000,000 µg/l Marine water Acute LC50 13 mg/l Fresh water Acute LC50 6.5 mg/l Fresh water Acute LC50 3 mg/l Fresh water Acute LC50 15.9 mg/l Fresh water Acute LC50 3.6 mg/l Fresh water	Fish - FishAquatic invertebrates.DaphniaAquatic invertebrates.DaphniaAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.	96 h 48 h 48 h 48 h
Acute LC50 > 1,000,000 µg/l Marine water Acute LC50 13 mg/l Fresh water Acute LC50 6.5 mg/l Fresh water Acute LC50 3 mg/l Fresh water Acute LC50 15.9 mg/l Fresh water Acute LC50 3.6 mg/l Fresh water	Aquatic invertebrates.DaphniaAquatic invertebrates.DaphniaAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.	48 h 48 h 48 h
Marine water Acute LC50 13 mg/l Fresh water Acute LC50 6.5 mg/l Fresh water Acute LC50 3 mg/l Fresh water Acute LC50 15.9 mg/l Fresh water Acute LC50 3.6 mg/l Fresh water	Aquatic invertebrates.DaphniaAquatic invertebrates.DaphniaAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.	48 h 48 h 48 h
Acute LC50 13 mg/l Fresh water Acute LC50 6.5 mg/l Fresh water Acute LC50 3 mg/l Fresh water Acute LC50 15.9 mg/l Fresh water Acute LC50 3.6 mg/l Fresh water	DaphniaAquatic invertebrates.DaphniaAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.	48 h 48 h
Acute LC50 6.5 mg/l Fresh water Acute LC50 3 mg/l Fresh water Acute LC50 15.9 mg/l Fresh water Acute LC50 3.6 mg/l Fresh water	DaphniaAquatic invertebrates.DaphniaAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.	48 h 48 h
Acute LC50 3 mg/l Fresh water Acute LC50 15.9 mg/l Fresh water Acute LC50 3.6 mg/l Fresh water	Aquatic invertebrates.DaphniaAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.Aquatic invertebrates.Aquatic invertebrates.	48 h
Acute LC50 3 mg/l Fresh water Acute LC50 15.9 mg/l Fresh water Acute LC50 3.6 mg/l Fresh water	DaphniaAquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.Aquatic invertebrates.	48 h
Acute LC50 15.9 mg/l Fresh water Acute LC50 3.6 mg/l Fresh water	Aquatic invertebrates.CrustaceansAquatic invertebrates.CrustaceansAquatic invertebrates.	
Acute LC50 15.9 mg/l Fresh water Acute LC50 3.6 mg/l Fresh water	Crustaceans Aquatic invertebrates. Crustaceans Aquatic invertebrates.	
Acute LC50 15.9 mg/l Fresh water Acute LC50 3.6 mg/l Fresh water	Aquatic invertebrates. Crustaceans Aquatic invertebrates.	48 h
Acute LC50 3.6 mg/l Fresh water	Crustaceans Aquatic invertebrates.	48 h
Acute LC50 3.6 mg/l Fresh water	Crustaceans Aquatic invertebrates.	
-		
-		48 h
	Crustaceans	
Acute LC50 11 mg/l Fresh water	Aquatic invertebrates.	48 h
6		
Acute LC50 13.4 mg/l Fresh water	Aquatic invertebrates.	48 h
6	Crustaceans	
Acute EC50 27.8 mg/l Fresh water	Aquatic invertebrates.	48 h
6		
Acute EC50 19.3 mg/l Fresh water		48 h
6	Daphnia	
Acute EC50 35.306 mg/l Fresh	Aquatic invertebrates.	48 h
water	Daphnia	
		1
Chemicals are not readily available a	as they are bound within the	e polymer matrix
· · · · · · · · · · · · · · · · · · ·	,	1 ,
: Chemicals are not readil	ly available as they are bou	nd within the
	,	
1 2		
: Chemicals are not readil	ly available as they are bou	nd within the
1 2		
: Chemicals are not readil	ly available as they are bou	nd within the
polymer matrix.	- *	
	 Chemicals are not readily available a : Chemicals are not readi polymer matrix. : Chemicals are not readi polymer matrix. : Chemicals are not readi 	Acute LC50 11 mg/l Fresh water Aquatic invertebrates. Crustaceans Acute LC50 13.4 mg/l Fresh water Aquatic invertebrates. Crustaceans Acute EC50 27.8 mg/l Fresh water Aquatic invertebrates. Daphnia Acute EC50 19.3 mg/l Fresh water Aquatic invertebrates. Daphnia Acute EC50 35.306 mg/l Fresh water Aquatic invertebrates. Daphnia Chemicals are not readily available as they are bound within the polymer matrix. Image: Chemicals are not readily available as they are bound polymer matrix. : Chemicals are not readily available as they are bound polymer matrix. : Chemicals are not readily available as they are bound polymer matrix.

11/16



GEON MC100 SILVER

Version Number 1.0 Revision Date 02/24/2017

Page 12 of 16 Print Date 04/19/2017

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential	
Titanium dioxide		-	low	
Dibutyltin mercaptide	3.4	-	low	

Mobility in soil

Soil/water partition coefficient	:	Not available.	
(KOC)			
Other adverse effects	:	No known sigr	

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 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.

12/16

GEON MC100 SILVER

Version Numbe	er 1.0
Revision Date	02/24/2017

Page 13 of 16 Print Date 04/19/2017

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 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: Not listed 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)	:	Not listed
Hazardous Air Pollutants (HAPs)		
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	:	Not listed
Chemicals)		

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312



GEON MC100 SILVER

Version Number 1.0 Revision Date 02/24/2017 Page 14 of 16 Print Date 04/19/2017

Classification

Not applicable.

:

Composition/information on ingredients

Name	%	Classification
Titanium dioxide	0.1 - 1	СН
Dibutyltin mercaptide	1 - 5	АН
Paraffin waxes and Hydrocarbon waxes	1 - 5	АН

SARA 313

Not applicable.

State regulationsMassachusettsNew YorkNew JerseyPennsylvania	None of the components are listed. None of the components are listed. The following components are listed: Paraffin waxes and Hydrocarbon waxes Mica The following components are listed: Paraffin waxes and Hydrocarbon waxes
	Mica
California Prop. 65 WARNING: This product contains a chen	nical 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. 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. Taiwan Chemical Substances Inventory (TCSI): Not determined.

14/16

GEON MC100 SILVER

Version Number 1.0 Revision Date 02/24/2017 Page 15 of 16 Print Date 04/19/2017

Chemical Weapons Convention	:	Not listed
List Schedule I Chemicals		
Chemical Weapons Convention	:	Not listed
List Schedule II Chemicals		
Chemical Weapons Convention	:	Not listed
List Schedule III Chemicals		

Section 16. Other information

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

Health	*	2
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 are not required on SDSs 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 mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868. The customer is responsible for determining the PPE code for this material.

History

<u>Instory</u>		
Date of printing	:	04/19/2017
Date of issue/Date of revision	:	02/24/2017
Date 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 = 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.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the

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GEON MC100 SILVER

Version Number 1.0 Revision Date 02/24/2017 Page 16 of 16 Print Date 04/19/2017

sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.