

X GT 339473 TR3406501-3 PEWTER - PP

Version Number 1.0 Revision Date 02/07/2020

Page 1 of 17 Print Date 02/08/2020

SAFETY DATA SHEET

X GT 339473 TR3406501-3 PEWTER - PP

Section 1. Identification

GHS product identifier X GT 339473 TR3406501-3 PEWTER - PP

Chemical name Mixture **CAS** number Mixture Other means of identification EM10049343

Product type solid

Relevant identified uses of the substance or mixture and uses advised against

Industrial applications. Plastics. Product use

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

No signal word. Signal word

1/17



X GT 339473 TR3406501-3 PEWTER - PP

Version Number 1.0 Revision Date 02/07/2020 Page 2 of 17 Print Date 02/08/2020

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.

Not available.

Section 3. Composition/information on ingredients

Substance/mixture: MixtureChemical name: MixtureOther means of identification: EM10049343

CAS number/other identifiers

Ingredient name	%	CAS number
Iron	25 - 50	7439-89-6
Copper	10 - 25	7440-50-8
Rutile (TiO2)	0.3 - 1	1317-80-2

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

Description of necessary first aid measures



X GT 339473 TR3406501-3 PEWTER - PP

Version Number 1.0 Page 3 of 17 Revision Date 02/07/2020 Print Date 02/08/2020

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

Over-exposure signs/symptoms

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

Indication of immediate medical 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.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media



X GT 339473 TR3406501-3 PEWTER - PP

Version Number 1.0 Revision Date 02/07/2020 Page 4 of 17 Print Date 02/08/2020

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

Hazardous thermal decomposition products

: 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 metal oxide/oxides

Special protective actions for firefighters 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 selfcontained 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

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.

For emergency responders

For non-emergency personnel

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). 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. 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



X GT 339473 TR3406501-3 PEWTER - PP

Version Number 1.0 Revision Date 02/07/2020

Page 5 of 17 Print Date 02/08/2020

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).

Avoid release to the environment.

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, 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	
Iron	None.	
Copper	ACGIH TLV (1994-09-01) TWA 0.2 mg/m3 Form: Fume TWA 1 mg/m3 (as Cu) Form: Dusts and mists NIOSH REL (1994-06-01) TWA 1 mg/m3 (as Cu) Form: Dusts and mists OSHA PEL 1989 (1989-03-01) TWA 0.1 mg/m3 (as Cu) Form: Fume TWA 1 mg/m3 (as Cu) Form: Dusts and mists OSHA PEL (1993-06-30) TWA 0.1 mg/m3 Form: Fume TWA 1 mg/m3 Form: Dusts and mists	
5/17		

5/1/



X GT 339473 TR3406501-3 PEWTER - PP

 Version Number 1.0
 Page 6 of 17

 Revision Date 02/07/2020
 Print Date 02/08/2020

P-4'1- (T'02)	N
Rutile (TiO2)	None.
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	
Hygiene measures :	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.
Body protection :	
Other skin protection :	
Respiratory protection :	

Section 9. Physical and chemical properties

Appearance



X GT 339473 TR3406501-3 PEWTER - PP

 Version Number 1.0
 Page 7 of 17

 Revision Date 02/07/2020
 Print Date 02/08/2020

Physical state : solid [Pellets.]

Color : GREY

Odor Not available. **Odor threshold** Not available. Not available. pН **Melting point** Not available. **Boiling point** Not available. Flash point Not available. **Burning time** Not available. **Burning rate** Not available. Not available. **Evaporation rate** Not available. Flammability (solid, gas)

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

Vapor pressure: Not available.Vapor density: Not available.Relative density: Not available.Solubility: Not available.Solubility in water: Not available.Partition coefficient: n-: Not available.

octanol/water

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

Viscosity : Dynamic: Not available.

Kinematic: Not available.

Aerosol product

Heat of combustion : Not available.

Ignition distance : Not available. **Enclosed space ignition - Time** : Not available.

equivalent

Enclosed space ignition - : Not available.

Deflagration density

Flame height : Not available. Flame duration : Not available.

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or

its ingredients.

Chemical stability : Stable under recommended storage and handling conditions (see



X GT 339473 TR3406501-3 PEWTER - PP

Version Number 1.0 Page 8 of 17 Revision Date 02/07/2020 Print Date 02/08/2020

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

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

products

Product/ingredient name	Result	Species	Dose	Exposure	
Remarks - Oral:	No applicable toxicity data				
Remarks - Inhalation:	No applicable toxic	No applicable toxicity data			
Remarks - Dermal:	No applicable toxic	city data			
Copper					
	LD50 Oral	LD50 Oral Rat 482 mg/kg -			
Remarks - Inhalation:	No applicable toxicity data				
Remarks - Dermal:	No applicable toxicity data				
Iron					
	LD50 Oral	Rat	750 mg/kg	-	
Remarks - Inhalation:	No applicable toxicity data				
Remarks - Dermal:	No applicable toxicity data				

Conclusion/Summary : Mixture. Not fully tested.

Irritation/Corrosion

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.



X GT 339473 TR3406501-3 PEWTER - PP

Version Number 1.0 Page 9 of 17
Revision Date 02/07/2020 Print Date 02/08/2020

Mutagenicity

Conclusion/Summary : Mixture. Not fully tested.

Carcinogenicity

Conclusion/Summary : Mixture.Not fully tested.

Classification

Product/ingredient name	OSHA	IARC	NTP
Rutile (TiO2)	-	2B2B	-

Reproductive toxicity

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 likely routes of

:

exposure

Potential acute health effects

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

Not available.

Symptoms related to the physical, chemical and toxicological characteristics

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

9/17



X GT 339473 TR3406501-3 PEWTER - PP

Version Number 1.0 Revision Date 02/07/2020 Page 10 of 17 Print Date 02/08/2020

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 : Not available.

Potential delayed effects : Not available.

Long term exposure

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

Potential chronic health effects

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

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Rutile (TiO2)			
Remarks - Acute - Fish:	No applicable toxicity data		
Remarks - Acute - Aquatic	No applicable toxicity data		
invertebrates.:			
Remarks - Acute - Aquatic	No applicable toxicity data		
plants:			



X GT 339473 TR3406501-3 PEWTER - PP

Version Number 1.0 Revision Date 02/07/2020 Page 11 of 17 Print Date 02/08/2020

Remarks - Chronic - Fish:	No applicable toxicity data		
Remarks - Chronic -	No applicable toxicity data		
Aquatic invertebrates.:	TT v		
Copper			
	Acute LC50 0.00756 Mg/l Marine	Fish - Fish	96 h
	water		
Remarks - Acute - Fish:	Acute		
	Acute EC50 0.0021 Mg/l Fresh	Aquatic invertebrates.	48 h
	water	Daphnia	
Remarks - Acute - Aquatic	Acute		
invertebrates.:			
	Acute LC50 0.000072 Mg/l Marine	Aquatic invertebrates.	48 h
	water	Crustaceans	
Remarks - Acute - Aquatic	Acute		
invertebrates.:			
	Acute EC50 1.1 Mg/l Fresh water	Aquatic plants -	96 h
		Aquatic plants	
Remarks - Acute - Aquatic	Acute		
plants:			
	Acute IC50 0.013 Mg/l Fresh water	Aquatic plants - Algae	72 h
Remarks - Acute - Aquatic	Acute		
plants:			
	Acute IC50 5.4 Mg/l Marine water	Aquatic plants -	72 h
		Aquatic plants	
Remarks - Acute - Aquatic	Acute		
plants:		T	T
	Acute NOEC 0.0025 Mg/l Marine	Aquatic plants - Algae	72 h
	water		
Remarks - Acute - Aquatic	Chronic		
plants:	A NOTE OF A PART		T = 2.1
	Acute NOEC 7 Mg/l Fresh water	Aquatic plants -	72 h
		Aquatic plants	
Remarks - Acute - Aquatic	Chronic		
plants:		D' 1 D' 1	1 40 1
	Chronic NOEC 0.0008 Mg/l Fresh	Fish - Fish	42 d
D 1 C1 ' T'	water		
Remarks - Chronic - Fish:	Chronic NOEC 0 00002 May Fresh	A accepting the second of the sector	21.4
	Chronic NOEC 0.00002 Mg/l Fresh	Aquatic invertebrates.	21 d
Damarda, Ch. '	water	Crustaceans	
Remarks - Chronic -	Chronic		
Aquatic invertebrates.:	Chronic NOEC 0.002 Mg/l Fresh	A quotio inventabuetas	21 d
	<u> </u>	Aquatic invertebrates. Daphnia	21 U
Remarks - Chronic -	Water	Барина	
Kemarks - Unronic -	Chronic		



X GT 339473 TR3406501-3 PEWTER - PP

Version Number 1.0 Revision Date 02/07/2020 Page 12 of 17 Print Date 02/08/2020

Aquatic invertebrates.: Iron	Acute LC50 0.00648 Mg/l Marine		
	Acute LC50 0.00648 Mg/l Marine	E' 1 E' 1	
		Fish - Fish	96 h
7	water		
Remarks - Acute - Fish: A	Acute		
	Acute LC50 33 - 100 Mg/l Marine	Aquatic invertebrates.	48 h
7	water	Crustaceans	
Remarks - Acute - Aquatic A	Acute		
invertebrates.:			
	Acute EC50 3.7 Mg/l Fresh water	Aquatic plants -	96 h
		Aquatic plants	
Remarks - Acute - Aquatic A	Acute		
plants:			1
	Acute NOEC 100 Mg/l Marine	Aquatic plants - Algae	72 h
	water		
Remarks - Acute - Aquatic (Chronic		
plants:			
Remarks - Chronic - Fish:	No applicable toxicity data		
Remarks - Chronic -	No applicable toxicity data		
Aquatic invertebrates.:			
X GT 339473 TR3406501-3 PEV	WTER - PP		
Remarks - Acute - Aquatic (Chemicals are not readily available as they are bound within the polymer matrix.		
invertebrates.:		2111 4 1	

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.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient

(KOC)

Not available.

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

Section 13. Disposal considerations



X GT 339473 TR3406501-3 PEWTER - PP

 Version Number 1.0
 Page 13 of 17

 Revision Date 02/07/2020
 Print Date 02/08/2020

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 : Not regulated for transportation.

Ground/Air/Water

International Air : Consult mode specific transport rules

ICAO/IATA

International Water

IMO/IMDG

: 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
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



X GT 339473 TR3406501-3 PEWTER - PP

Version Number 1.0 Revision Date 02/07/2020 Page 14 of 17 Print Date 02/08/2020

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 Chromium 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

Not listed

Listed

Clean Air Act Section 602 Class II : Not listed

Substances

DEA List I Chemicals (Precursor

Chemicals)

Not listed

DEA List II Chemicals (Essential: Not listed

Chemicals)

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Chemical Name	CAS-No.	RQ for component
Copper	7440-50-8	5,000 lb(s)
		2,270 kg

SARA 311/312

Classification : Not applicable.



X GT 339473 TR3406501-3 PEWTER - PP

 Version Number 1.0
 Page 15 of 17

 Revision Date 02/07/2020
 Print Date 02/08/2020

Composition/information on ingredients

No products were found.

Name	%	Classification
Iron	>= 25 - <= 50	ACUTE TOXICITY - oral - Category 4
Copper	>= 10 - <= 25	ACUTE TOXICITY - oral - Category 4
Rutile (TiO2)	>= 0.3 - <= 1	CARCINOGENICITY - Category 2

SARA 313

Form R - Reporting requirements

Product name	CAS number	%
Copper	7440-50-8	>= 10 - <= 25
Chromium	7440-47-3	>= 5 - <= 10
Aluminum	7429-90-5	>= 1 - <= 3

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

MassachusettsNone of the components are listed.New YorkThe following components are listed:

Chromium Copper

New Jersey: The following components are listed:

Copper Chromium Aluminum Mica

Pennsylvania : The following components are listed:

Copper

Chromium



X GT 339473 TR3406501-3 PEWTER - PP

 Version Number 1.0
 Page 16 of 17

 Revision Date 02/07/2020
 Print Date 02/08/2020

Aluminum

Mica

Rutile (TiO2)

California Prop. 65

WARNING: This product can expose you to Rutile (TiO2), which is 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
Rutile (TiO2)	-	-

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

Canada inventory : All components are listed or exempted.

International regulations

Inventory list

Australia : All components are listed or exempted.

Canada : All components are listed or exempted.

China : All components are listed or exempted.

Europe inventory : All components are listed or exempted.

JapanNot determined.New ZealandNot determined.

Philippines: All components are listed or exempted.Republic of Korea: All components are listed or exempted.

Taiwan : Not determined.
Turkey : Not determined.

United States : All components are active or exempted.

Section 16. Other information

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

Health	/	0
Flammability		0
Physical hazards		0



X GT 339473 TR3406501-3 PEWTER - PP

Version Number 1.0 Revision Date 02/07/2020 Page 17 of 17 Print Date 02/08/2020

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: 02/08/2020Date of issue/Date of revision: 02/07/2020Date 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 above-named 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 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.