

Version Number 1.4 Revision Date 03/08/2023 Page 1 of 17 Print Date 03/30/2023

SAFETY DATA SHEET

MC-35135PV LINCOLN RED

GHS product identifier : MC-35135PV LINCOLN RED	
Chemical name : Mixture	
CAS number : Mixture	
Other means of identification : CC01065202	
Product type : solid	
Relevant identified uses of the substance or mixture and uses advised against	
Product use : Industrial applications. Plastics.	
Supplier's details : Avient Corporation	
230 N 48th Avenue Phoenix, AZ 85043	
(602) 269-3199	
Emergency telephone number : CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure	or
(with hours of operation) accident).	

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



Version Number 1.4 Revision Date 03/08/2023 Page 2 of 17 Print Date 03/30/2023

Signal word	:	No signal word.
Hazard statements	:	No known significant effects or critical hazards.
Precautionary statements		
	:	Not applicable.
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	None known.
Hazards not otherwise classified	:	None known.
		Not available.

Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	CC01065202

CAS number/other identifiers

Ingredient name	%	CAS number
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters,	>= 10 - <= 25	68515-48-0
C9-rich		
Diundecyl phthalate	>= 5 - <= 10	3648-20-2
Titanium dioxide	>= 3 - <= 5	13463-67-7
Carbon black	> 0 - <= 0.3	1333-86-4
Quartz	> 0 - <= 0.3	14808-60-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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



Version Number 1.4 Revision Date 03/08/2023

Page 3 of 17 Print Date 03/30/2023

No action shall be taken involving any personal risk or without

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

Most important symptoms/effects, acute and delayed

Protection of first-aiders

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 atte	ntio	n and special treatment needed, if necessary
Notes to physician	:	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under
Specific treatments	:	medical surveillance for 48 hours. No specific treatment.

suitable training.

3/17

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Version Number 1.4 Revision Date 03/08/2023 Page 4 of 17 Print Date 03/30/2023

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

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

g, F	:	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	:	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



Version Number 1.4	Page 5 of 17
Revision Date 03/08/2023	Print Date 03/30/2023

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
1,2-Benzenedicarboxylic acid, di-C8-10- branched alkyl esters, C9-rich	None.
Diundecyl phthalate	None.
Titanium dioxide	OSHA PEL 1989 (1989-03-01) TWA 10 mg/m3 Form: Total dust OSHA PEL (1993-06-30)



Version Number 1.4 Revision Date 03/08/2023 Page 6 of 17 Print Date 03/30/2023

	TWA 15 mg/m3 Form: Total dust ACGIH TLV (1996-05-18) TWA 10 mg/m3
Carbon black	OSHA PEL 1989 (1989-03-01) TWA 3.5 mg/m3 OSHA PEL (1993-06-30) TWA 3.5 mg/m3 NIOSH REL (1994-06-01) TWA 3.5 mg/m3 NIOSH REL (1994-06-01) TWA 0.1 mgPAH/m ³ ACGIH TLV (2010-12-06) TWA 3 mg/m3 Form: Inhalable fraction
Quartz	OSHA PEL 1989 (1989-03-01) TWA 0.1 mg/m3 (Calculated as Quartz) Form: Respirable dust OSHA PEL Z3 (1997-09-03) TWA 250 MPPCF / (%SiO2+5) Form: Respirable TWA 10 MG /M3 / (%SiO2+2) Form: Respirable OSHA PEL Z3 (1997-09-03) TWA 30 MG /M3 / (%SiO2+2) Form: Total dust NIOSH REL (1994-06-01) TWA 0.05 mg/m3 Form: Respirable dust ACGIH TLV (2005-12-09) TWA 0.025 mg/m3 Form: Respirable fraction OSHA PEL (2016-06-23) TWA 0.05 mg/m3 Form: Respirable dust

Appropriate engineering controls Environmental exposure controls	:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measures		
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to



Version Number 1.4	Page 7 of 17
Revision Date 03/08/2023	Print Date 03/30/2023

Eye/face protection	 clothing before reusing. I showers are close to the v Safety eyewear complyin when a risk assessment in liquid splashes, mists, ga following protection show 	minated clothing. Wash contaminated Ensure that eyewash stations and safety workstation location. ng with an approved standard should be used ndicates this is necessary to avoid exposure to ses or dusts. If contact is possible, the uld be worn, unless the assessment indicates a on: safety glasses with side-shields.
Skin protection		
Hand protection	-	arvious gloves complying with an approved at all times when handling chemical products rates this is necessary.
Body protection	: Personal protective equip on the task being perform	oment for the body should be selected based ned and the risks involved and should be before handling this product.
Other skin protection	should be selected based	d any additional skin protection measures on the task being performed and the risks pproved by a specialist before handling this
Respiratory protection	Based on the hazard and meets the appropriate sta used according to a respir	potential for exposure, select a respirator that ndard or certification. Respirators must be ratory protection program to ensure proper r important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state		solid [Pellets.]
Color	:	RED
	•	
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.
Vapor pressure	:	Not available.



Version Number 1.4 Revision Date 03/08/2023 Page 8 of 17 Print Date 03/30/2023

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		
<u>Aerosol product</u> Heat of combustion	:	Not available.
	:	Not available. Not available.
Heat of combustion Ignition distance Enclosed space ignition - Time		
Heat of combustion Ignition distance	:	Not available. Not available.
Heat of combustion Ignition distance Enclosed space ignition - Time equivalent Enclosed space ignition -	:	Not available.
Heat of combustion Ignition distance Enclosed space ignition - Time equivalent	:	Not available. Not available.
Heat of combustion Ignition distance Enclosed space ignition - Time equivalent Enclosed space ignition -	:	Not available. 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	:	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

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure



Version Number 1.4 Revision Date 03/08/2023 Page 9 of 17 Print Date 03/30/2023

1,2-Benzenedicarboxylic acid, c	li-C8-10-branched a	lkyl esters, C9-rich		
	LD50 Oral	Rat	10,000 mg/kg	-
Titanium oxide (TiO2)				
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h
	Dusts and mists			
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-
Carbon black				
	LD50 Oral	Rat	15,400 mg/kg	-

Conclusion/Summary

: Mixture.Not fully tested.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	Eyes - Mild irritant	Rabbit	-		-
1,2-Benzenedicarboxylic acid, 1,2-diundecyl ester	Eyes - Mild irritant	Rabbit	-		-

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

Classification

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



Version Number 1.4 Revision Date 03/08/2023 Page 10 of 17 Print Date 03/30/2023

Reproductive toxicity					
Conclusion/Summary	: Mixture.N	Not fully tested.			
<u>Teratogenicity</u>					
Conclusion/Summary	: Mixture.N	Not fully tested.			
Specific target organ toxicity (sing	<u>e exposure)</u>				
Not available.					
Specific target organ toxicity (repe	ated exposure)				
Name	Category	Route	of exposure	Target organs	
Quartz	Category 1	-		-	
Not available. Information on the likely routes of exposure Potential acute health effects	: Not availa	able.			
	No knowr	n significant effec	to or oritical h	azarda	
Eye contact Inhalation		1 significant effec			
Skin contact		n significant effec			
Ingestion	: No known	n significant effec	ts or critical ha	azards.	
Symptoms related to the physical,	hemical and toxi	icological charac	cteristics		
Eye contact	: No specifi	ic data.			
Inhalation	: No specifi				
Skin contact	: No specifi				
Ingestion	: No specifi	ic data.			
Delayed and immediate effects and	also chronic effe	ects from short a	nd long term	<u>exposure</u>	
Short term exposure					
	: Not availa	able.			
Potential immediate effects	• • • • • • • • • • • • • • • • • • •				
Potential immediate effects Potential delayed effects	: Not availa	able.			
	: Not availa	able.			



Version Number 1.4 Revision Date 03/08/2023 Page 11 of 17 Print Date 03/30/2023

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

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
1,2-Benzenedicarboxylic acid,	1,2-diundecyl ester		
	Acute EC50 12 Mg/l Fresh water	Daphnia - Daphnia magna	48 h
	Chronic NOEC 0.3 Mg/l Fresh water	Fish - Oncorhynchus mykiss	155 d
	Chronic NOEC 0.059 Mg/l Fresh water	Daphnia - Daphnia magna	21 d
Titanium oxide (TiO2)		I	
	Acute LC50 > 1,000 Mg/l Marine water	Fish - Fundulus heteroclitus	96 h
	Acute LC50 3 Mg/l Fresh water	Crustaceans - Ceriodaphnia dubia	48 h
	Acute LC50 6.5 Mg/l Fresh water	Daphnia - Daphnia pulex	48 h
Carbon black	·	•	•



Version Number 1.4 Revision Date 03/08/2023 Page 12 of 17 Print Date 03/30/2023

	Acute EC50 37.563 Mg/l Fresh	Daphnia - Daphnia magna	48 h
	water		
MC-35135PV LINCOLN RED			
Remarks - Acute - Aquatic	Chemicals are not readily availab	le as they are bound within the pol	ymer matrix.
invertebrates.:			
Conclusion/Summary	: Chemicals are not read polymer matrix.	lily available as they are bound wit	hin the
<u>Persistence and degradability</u> Conclusion/Summary		dily available as they are bound wi	thin the
Conclusion/Summary	: Chemicals are not rea polymer matrix.	dily available as they are bound wi	thin the

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

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	Disposal methods	:	requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered
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Version Number 1.4 Revision Date 03/08/2023 Page 13 of 17 Print Date 03/30/2023

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	:	Consult mode specific transport rules
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: 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) - 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):
	13/17



Version Number 1.4	Page 14 of 17
Revision Date 03/08/2023	Print Date 03/30/2023

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

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312

Chemicals)

Chemicals)

Classification

: Not applicable.

Not listed

:

Composition/information on ingredients

DEA List II Chemicals (Essential

No products were found.

Name	%	Classification
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	>= 10 - <= 25	EYE IRRITATION - Category 2B
1,2-Benzenedicarboxylic acid, 1,2-diundecyl ester	>= 5 - <= 10	EYE IRRITATION - Category 2B
Titanium oxide (TiO2)	>= 3 - <= 5	CARCINOGENICITY - Category 2
Carbon black	> 0 - <= 0.3	CARCINOGENICITY - Category 2



Version Number 1.4 Revision Date 03/08/2023

Page 15 of 17 Print Date 03/30/2023

Quartz	> 0 - <= 0.3	CARCINOGENICITY - inhalation - Category 1A
		SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

Not applicable.

State regulations Massachusetts New York New Jersey Pennsylvania	:	None of the components are listed. None of the components are listed. The following components are listed: Ethene, chloro-, homopolymer Calcium carbonate Titanium dioxide Carbon black Quartz The following components are listed: Calcium carbonate
		Titanium dioxide
		Carbon black
		Quartz

California Prop. 65

WARNING: This product can expose you to chemicals including 1,2-Benzenedicarboxylic acid, di-C8-10branched alkyl esters, C9-rich, 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
1,2-Benzenedicarboxylic acid, di-C8-10-	Yes.	-
branched alkyl esters, C9-rich		
Titanium dioxide	-	-
Carbon black	-	-
Quartz	-	-

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

:

Canada inventory

At least one component is not listed in DSL but all such components are listed in NDSL.



Version Number 1.4 Revision Date 03/08/2023

Page 16 of 17 Print Date 03/30/2023

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	:	All components are listed or exempted.
Europe inventory	:	At least one component is not listed in EINECS but all such
		components are listed in ELINCS.
		Please contact your supplier for information on the inventory status of
		this material.
Japan	:	All components are listed or exempted.
New Zealand	:	All components are listed or exempted.
Philippines	:	All components are listed or exempted.
Republic of Korea	:	All components are listed or exempted.
Taiwan	:	All components are listed or exempted.
Turkey	:	Not determined.
United States	:	All components are active or exempted.

Section 16. Other information

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



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

:	03/30/2023
:	03/08/2023
:	06/06/2022
:	1.4
:	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor
	:



Version Number 1.4 Revision Date 03/08/2023

Page 17 of 17 Print Date 03/30/2023

GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations Not available.

References

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 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.