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# SAFETY DATA SHEET

#### **GEON 201LF-55 BLACK**

Section 1. Identification	n	
GHS product identifier Chemical name CAS number	:	GEON 201LF-55 BLACK Mixture Mixture
Other means of identification Product type	:	VC10013682 solid
<u>Relevant identified uses of the substa</u> Product use	ance :	or mixture and uses advised against Industrial applications. Plastics.
Supplier's details	:	GEON Performance Solutions LLC 25777 Detroit Road Suite 202, Westlake, Ohio 44145
Emergency telephone number (with hours of operation)	:	1-800-GET-GEON or 1-800-438-4366 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		

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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	:	VC10013682

#### **CAS number/other identifiers**

Ingredient name	%	CAS number
Di(2-ethylhexyl)phthalate	>= 25 - <= 50	117-81-7

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**

#### 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.



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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 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. Fire-fighting measures

#### 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	:	May emit Hydrogen Chloride (HCl).
decomposition products		Decomposition products may include the following materials:
		carbon dioxide
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		carbon monoxide halogenated compounds metal oxide/oxides
Special protective actions for fire- fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel For emergency responders	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for containmen	nt ar	nd 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 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).



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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
Di(2-ethylhexyl)phthalate	Exposure mints     OSHA PEL 1989 (1989-03-01)     TWA 5 mg/m3     STEL 10 mg/m3     OSHA PEL (1993-06-30)     TWA 5 mg/m3     NIOSH REL (1994-06-01)     TWA 5 mg/m3     STEL 10 mg/m3     ACGIH TLV (1999-03-01)     TWA 5 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, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### Individual protection measures



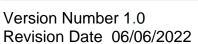
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Hygiene measures Eye/face protection	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
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	:	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	:	BLACK
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.





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Lower and upper explosive (flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n-	:	<b>Lower:</b> Not available. <b>Upper:</b> Not available. Not available. Not available. 1.18 Not available. Not available. Not available.
octanol/water Auto-ignition temperature Decomposition temperature SADT Viscosity	::	Not available. Not available. Not available. <b>Dynamic:</b> Not available. <b>Kinematic:</b> Not available.
Aerosol product Heat of combustion Ignition distance Enclosed space ignition - Time equivalent Enclosed space ignition - Deflagration density	::	Not available. Not available. 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.

Not available.

Not available.

:

:

### Section 11. Toxicological information

Information on toxicological effects

Flame height

Flame duration

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Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
1,2-Benzenedicarboxylic acid, 1	,2-bis(2-ethylhexyl)	ester		
	LD50 Oral	Rat	30,000 mg/kg	-
	LD50 Dermal	Rabbit	25,000 mg/kg	-

Conclusion/Summary

Mixture.Not fully tested. :

#### **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
1,2-Benzenedicarboxylic acid, 1,2-bis(2-ethylhexyl) ester	Eyes - Mild irritant	Rabbit	-	24 hrs	-
	Skin - Mild irritant	Rabbit	-	24 hrs	-
	Eyes - Mild irritant	Rabbit	-		-

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

## **Classification**

Product/ingredient name	OSHA	IARC	NTP
1,2-Benzenedicarboxylic acid, 1,2-bis(2-ethylhexyl) ester	-	2B	Reasonably anticipated to be a human carcinogen.

#### **Reproductive toxicity**



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Conclusion/Summary	:	Mixture.Not fully tested.
<u>Teratogenicity</u>		
Conclusion/Summary	:	Mixture.Not fully tested.
Specific target organ toxicity (single Not available.	expo	osure)
Specific target organ toxicity (repear Not available.	ted e	<u>xposure)</u>
Aspiration hazard Not available.		
Information on the likely routes of exposure	:	Not available.
Potential acute health effects		
Eye contact Inhalation Skin contact Ingestion	::	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.
Symptoms related to the physical, ch	nemi	cal and toxicological characteristics
Eye contact Inhalation Skin contact Ingestion	::	No specific data. No specific data. No specific data. No specific data.
Delayed and immediate effects and a	also c	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		





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:	Mixture.Not fully tested.
:	No known significant effects or critical hazards.
:	No known significant effects or critical hazards.
:	No known significant effects or critical hazards.
:	No known significant effects or critical hazards.
:	No known significant effects or critical hazards.
:	No known significant effects or critical hazards.
	:

Numerical measures of toxicity

#### Acute toxicity estimates

Product/ingredient name	Oral	Dermal	Inhalation (gases)	Inhalation (vapors)	Inhalation (dusts and mists)
201LF-55 BLACK	30,000 mg/kg	25,000 mg/kg	N/A	N/A	N/A
1,2-Benzenedicarboxylic acid, 1,2-bis(2-ethylhexyl) ester	30,000 mg/kg	25,000 mg/kg	N/A	N/A	N/A

#### **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**

Result	Species	Exposure
1,2-bis(2-ethylhexyl) ester		
Acute LC50 37.95 Mg/l Fresh	Fish - Cyprinus carpio	96 h
Acute EC50 0.000133 Mg/l	Daphnia - Daphnia pulex	48 h
Fresh water		
Acute EC50 31 Mg/l Marine	Algae - Karenia brevis	96 h
water		
Chronic NOEC 0.076 Mg/l	Algae - Hormosira banksii	72 h
Marine water		
Chronic NOEC 0.0001 Mg/l	Fish - Poecilia reticulata	28 d
	1,2-bis(2-ethylhexyl) esterAcute LC50 37.95 Mg/l Fresh waterAcute EC50 0.000133 Mg/l Fresh waterAcute EC50 31 Mg/l Marine waterChronic NOEC 0.076 Mg/l Marine water	1,2-bis(2-ethylhexyl) ester   Acute LC50 37.95 Mg/l Fresh water   Acute EC50 0.000133 Mg/l   Daphnia - Daphnia pulex   Fresh water   Acute EC50 31 Mg/l Marine water   Chronic NOEC 0.076 Mg/l   Marine water



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	Fresh water		
	Chronic NOEC 0.109 Mg/l Fresh	Crustaceans - Eurytemora	21 d
	water	affinis	
	Chronic NOEC 0.077 Mg/l Fresh	Daphnia - Daphnia magna	21 d
	water		
201LF-55 BLACK			
Remarks - Acute - Aquatic	Chemicals are not readily available	e as they are bound within the poly	mer matrix.
invertebrates.:			
Conclusion/Summary	: Chemicals are not readi polymer matrix.	ly available as they are bound with	hin the
<u>Persistence and degradability</u> Conclusion/Summary		ily available as they are bound wit	hin the
Conclusion/Summary	: Chemicals are not reading polymer matrix.	ily available as they are bound wit	hin the

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
1,2-Benzenedicarboxylic acid, 1,2-	7.6	1,380.00	high
bis(2-ethylhexyl) ester			_

#### **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 : T p si p a p d
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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: Listed

Ingredient	CAS #	Status	Reference number
Di(2-ethylhexyl)phthalate	117-81-7	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: 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
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		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 Di(2-ethylhexyl)phthalate 2-Ethylhexanoic acid zinc salt Phenol Vinyl chloride monomer
		United States - EPA Clean water act (CWA) section 311 - Hazardous substances: 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 Substances	:	Not listed
Clean Air Act Section 602 Class II	:	Not listed
Substances DEA List I Chemicals (Precursor	:	Not listed
Chemicals)	•	
<b>DEA List II Chemicals (Essential</b>	:	Not listed

#### US. EPA CERCLA Hazardous Substances (40 CFR 302)

Chemical Name	CAS-No.	RQ for component
Di(2-ethylhexyl)phthalate	117-81-7	100 lb(s) 45.4 kg

#### SARA 311/312

**Chemicals**)

Classification

: Not applicable.

#### **Composition/information on ingredients**

No products were found.



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Name	%	Classification
1,2-Benzenedicarboxylic	>= 25 - <= 50	EYE IRRITATION - Category 2B
acid, 1,2-bis(2-ethylhexyl)		CARCINOGENICITY - Category 2
ester		

#### Form R - Reporting requirements

Product name	CAS number	%
Di(2-ethylhexyl)phthalate	117-81-7	>= 25 - <= 50

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.

Not applicable.

State regulations		
Massachusetts	:	None of the components are listed.
New York	:	The following components are listed: Di(2-ethylhexyl)phthalate
New Jersey	:	The following components are listed: Di(2-ethylhexyl)phthalate Ethene, chloro-, homopolymer Calcium carbonate
Pennsylvania	:	The following components are listed: Di(2-ethylhexyl)phthalate
<u>California Prop. 65</u>		Calcium carbonate

**WARNING:** This product can expose you to Di(2-ethylhexyl)phthalate, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to

www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
Di(2-ethylhexyl)phthalate	Yes.	Yes.

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.

#### **International regulations**

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#### **Inventory list**

Australia	:	Not determined.
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	:	Not determined.
Japan	:	Not determined.
New Zealand	:	Not determined.
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.)

Health	/	0
Flammability		0
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual. History

Date of printing	:	12/21/2024		
Date of issue/Date of revision	:	06/06/2022		
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		
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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.

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