

Geon™ VBX3522 1T3 M LT STONE MB2 PVC

Version Number 1.4 Revision Date 01/03/2025 Page 1 of 15 Print Date 01/10/2025

SAFETY DATA SHEET

GeonTM VBX3522 1T3 M LT STONE MB2 PVC

Section 1. Identification

GHS product identifier : Geon™ VBX3522 1T3 M LT STONE MB2 PVC

Chemical name: MixtureCAS number: MixtureOther means of identification: FO20033288

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

33587 Walker Road, Avon Lake, OH 44012

1 (440) 930-1000 or 1 (844) 4AVIENT

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

Not classified.

mixture

GHS label elements



Geon™ VBX3522 1T3 M LT STONE MB2 PVC

Version Number 1.4
Revision Date 01/03/2025

Page 2 of 15 Print Date 01/10/2025

Signal word : No signal word.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

Supplemental label elements Hazards not otherwise classified

Prevention

Response

Storage

Disposal

Not applicable.
Not applicable.
Not applicable.
Not applicable.
Not applicable.
None known.
None known.

Not available.

Section 3. Composition/information on ingredients

Substance/mixture: MixtureChemical name: MixtureOther means of identification: FO20033288

CAS number/other identifiers

Ingredient name	%	CAS number
Diundecyl phthalate	>= 25 - <= 50	3648-20-2
Titanium dioxide	>= 1 - <= 3	13463-67-7

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

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

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

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.



Geon™ VBX3522 1T3 M LT STONE MB2 PVC

Version Number 1.4 Page 3 of 15 Revision Date 01/03/2025 Print Date 01/10/2025

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. 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: Exposure to airborne concentrations above statutory or recommended

exposure limits may cause irritation of the eyes.

Inhalation : Exposure to airborne concentrations above statutory or recommended

exposure limits may cause irritation of the nose, throat and lungs.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:

irritation redness

Inhalation : Adverse symptoms may include the following:

respiratory tract irritation

coughing

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. Fire-fighting measures

Extinguishing media



Geon™ VBX3522 1T3 M LT STONE MB2 PVC

Version Number 1.4 Revision Date 01/03/2025

Page 4 of 15 Print Date 01/10/2025

Suitable extinguishing media Unsuitable extinguishing media In case of fire, use water spray (fog), foam, dry chemical or CO₂.

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 halogenated compounds 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 For non-emergency personnel

> suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing dust. Put on appropriate personal

protective equipment.

If specialized clothing is required to deal with the spillage, take note For emergency responders

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

Move containers from spill area. Vacuum or sweep up material and Small spill

place in a designated, labeled waste container. Dispose of via a

licensed waste disposal contractor.

Large spill Move containers from spill area. Approach release from upwind.

Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal.



Geon™ VBX3522 1T3 M LT STONE MB2 PVC

Version Number 1.4 Revision Date 01/03/2025 Page 5 of 15 Print Date 01/10/2025

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).

Avoid breathing dust.

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
Diundecyl phthalate	None.
Titanium dioxide	OSHA PEL 1989 (1989-03-01) TWA 10 mg/m3 Form: Total dust OSHA PEL (1993-06-30) TWA 15 mg/m3 Form: Total dust ACGIH TLV (2022-01-06) TWA 0.2 mg/m3 Form: respirable fraction, nanoscale particles TWA 2.5 mg/m3 Form: respirable fraction, finescale particles

Appropriate engineering controls: Use only with adequate ventilation. If user operations generate dust,



Geon™ VBX3522 1T3 M LT STONE MB2 PVC

Version Number 1.4 Revision Date 01/03/2025 Page 6 of 15 Print Date 01/10/2025

Environmental exposure controls

fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. 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 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. If operating conditions cause high dust concentrations to be produced,

use dust goggles.

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



Geon™ VBX3522 1T3 M LT STONE MB2 PVC

Version Number 1.4 Revision Date 01/03/2025

Page 7 of 15 Print Date 01/10/2025

Physical state solid [Powder.]

TAN Color

Not available. Odor **Odor threshold** Not available. pН Not available. **Melting point** Not available. **Boiling point** Not available. Flash point Not applicable.

Burning time Not available. **Burning rate** Not available. **Evaporation rate** Not available. Flammability (solid, gas) Not available.

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

Not available. Vapor pressure Not applicable. Vapor density

Relative density Not available. **Solubility** Not available. Solubility in water Not available. Not applicable. Partition coefficient: n-

octanol/water

Auto-ignition temperature Not applicable.

Decomposition temperature Not available. **SADT** Not available.

Viscosity Dynamic: Not available.

Kinematic: Not applicable.

Aerosol product

equivalent

Heat of combustion Not available.

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

Enclosed space ignition -

Not available.

Deflagration density

Flame height Not available. Not available. Flame duration





Geon™ VBX3522 1T3 M LT STONE MB2 PVC

 Version Number 1.4
 Page 8 of 15

 Revision Date 01/03/2025
 Print Date 01/10/2025

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
Titanium oxide (TiO2)				
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h
	Dusts and mists			
	LD50 Dermal	Rabbit	> 5,000 mg/kg	=

Conclusion/Summary : Mixture. Not fully tested.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
1,2-Benzenedicarboxylic	Eyes - Mild irritant	Rabbit	-		-
acid, 1,2-diundecyl ester					

Conclusion/Summary

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

Sensitization

Conclusion/Summary

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

Mutagenicity



Geon™ VBX3522 1T3 M LT STONE MB2 PVC

Version Number 1.4
Revision Date 01/03/2025

Page 9 of 15 Print Date 01/10/2025

Conclusion/Summary : Mixture.Not fully tested.

Carcinogenicity

Conclusion/Summary: Mixture.Not fully tested.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium oxide (TiO2)	-	2B	-

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 the likely routes of

exposure

Not available.

Potential acute health effects

Eye contact : Exposure to airborne concentrations above statutory or recommended

exposure limits may cause irritation of the eyes.

Inhalation : Exposure to airborne concentrations above statutory or recommended

exposure limits may cause irritation of the nose, throat and lungs.

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 : Adverse symptoms may include the following: irritation, redness

Inhalation : Adverse symptoms may include the following: respiratory tract

irritation, coughing

Skin contact : No specific data.



Geon™ VBX3522 1T3 M LT STONE MB2 PVC

Version Number 1.4 Revision Date 01/03/2025 Page 10 of 15 Print Date 01/10/2025

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

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

Long term exposure

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

Potential chronic health effects

Conclusion/Summary : Mixture.Not fully tested.

General : Repeated or prolonged inhalation of dust may lead to chronic

respiratory irritation.

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. No known significant

effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

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

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	



Geon™ VBX3522 1T3 M LT STONE MB2 PVC

Version Number 1.4 Revision Date 01/03/2025 Page 11 of 15 Print Date 01/10/2025

	Chronic NOEC 0.3 Mg/l Fresh	Fish - Oncorhynchus mykiss	155 d	
	water			
	Chronic NOEC 0.059 Mg/l Fresh	Daphnia - Daphnia magna	21 d	
	water			
Titanium oxide (TiO2)				
	Acute LC50 > 1,000 Mg/l	Fish - Fundulus heteroclitus	96 h	
	Marine water			
	Acute LC50 3 Mg/l Fresh water	Crustaceans - Ceriodaphnia	48 h	
		dubia		
	Acute LC50 6.5 Mg/l Fresh	Daphnia - Daphnia pulex	48 h	
	water			
Geon™ VBX3522 1T3 M LT STONE MB2 PVC				
Remarks - Acute - Aquatic	Chemicals are not readily available as they are bound within the polymer matrix.			
invertebrates.:				

Conclusion/Summary

: Chemicals are not readily available as they are bound within the

polymer matrix.

Persistence and degradability

Conclusion/Summary

: Chemicals are not readily available as they are bound within the

polymer matrix.

Conclusion/Summary

: Chemicals are not readily available as they are bound within the

polymer matrix.

Bioaccumulative potential

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

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



Geon™ VBX3522 1T3 M LT STONE MB2 PVC

Version Number 1.4 Revision Date 01/03/2025 Page 12 of 15 Print Date 01/10/2025

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 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 was ruled.

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) - Dioxin/Furane precusor: Not listed United States - TSCA 8(a) - Preliminary assessment report

(PAIR): Not listed

United States - TSCA 8(c) - Significant adverse reaction (SAR):

Not listed



Geon™ VBX3522 1T3 M LT STONE MB2 PVC

Version Number 1.4 Revision Date 01/03/2025

Page 13 of 15 Print Date 01/10/2025

United States - TSCA 8(d) - Health and safety studies: Not listed United States - TSCA 8(a) - Chemical risk rules: Not listed United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not

determined

United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Miscellaneous Zinc Compounds

Zinc stearate 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)

Hazardous Air Pollutants (HAPs)

Clean Air Act Section 602 Class I

Substances

Clean Air Act Section 602 Class II

Substances

DEA List I Chemicals (Precursor

Chemicals)

Chemicals)

Listed

Not listed

Not listed

Not listed

DEA List II Chemicals (Essential Not listed

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312

Classification Not applicable.

Composition/information on ingredients

No products were found.

Name	%	Classification
1,2-Benzenedicarboxylic	>= 25 - <= 50	EYE IRRITATION - Category 2B
acid, 1,2-diundecyl ester		
Titanium oxide (TiO2)	>= 1 - <= 3	CARCINOGENICITY - Category 2



Geon™ VBX3522 1T3 M LT STONE MB2 PVC

Version Number 1.4 Revision Date 01/03/2025

Page 14 of 15 Print Date 01/10/2025

Not applicable.

State regulations

Massachusetts The following components are listed:

Titanium dioxide

New York None of the components are listed. The following components are listed: **New Jersey** Ethene, chloro-, homopolymer

Titanium dioxide

The following components are listed: Pennsylvania

Titanium dioxide

California Prop. 65

WARNING: This product can expose you to Titanium dioxide, 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
Titanium dioxide	-	-

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

Canada inventory Not determined.

International regulations

Inventory list

Not determined. Australia Canada Not determined. China Not determined.

Eurasian Economic Union Russian Federation inventory: Not determined. Japan Japan inventory (CSCL): Not determined. Japan inventory (ISHL): Not determined.

New Zealand Not determined. **Philippines** Not determined. Republic of Korea Not determined.

Not determined. Not determined. Taiwan

Thailand Not determined. **Turkey** Not determined.

United States All components are active or exempted.

Viet Nam Not determined.

Section 16. Other information



Geon™ VBX3522 1T3 M LT STONE MB2 PVC

Version Number 1.4 Revision Date 01/03/2025 Page 15 of 15 Print Date 01/10/2025

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: 01/10/2025Date of issue/Date of revision: 01/03/2025Date of previous issue: 01/09/2020

Version : 1.4

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.