Version Number 1.0 Revision Date 06/02/2025



Page 1 of 15 Print Date 06/04/2025

SAFETY DATA SHEET

97014034 ABS 8391 MED HM7803367

Section 1. Identificati	on	
GHS product identifier Chemical name CAS number Other means of identification Product type	: Mi : Mi	014034 ABS 8391 MED HM7803367 xture xture 110055481 id
<u>Relevant identified uses of the sub</u> Product use		nixture and uses advised against lustrial applications. Plastics.
Supplier's details	25	EON Performance Solutions LLC 777 Detroit Road Suite 202, Westlake, Ohio 44145 S@geon.com
Emergency telephone number (with hours of operation)	: CH	300-GET-GEON or 1-800-438-4366 IEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or cident).

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		
Signal word	:	No signal word.
		1/15

Version Number 1.0 Revision Date 06/02/2025 Page 2 of 15 Print Date 06/04/2025

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	:	EM10055481

CAS number/other identifiers

Ingredient name	%	CAS number
2-Propenenitrile, polymer with Ethenylbenzene	>= 1 - <= 3	9003-54-7
Titanium dioxide	>= 0.3 - <= 1	13463-67-7

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

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

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

Section 4. First aid measures

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
		2/45





Version Number 1.0	Page 3 of 15
Revision Date 06/02/2025	Print Date 06/04/2025

	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

Potential	acute	health	<u>effects</u>

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 a	ttentio	on and special treatment needed, if necessary

Notes to physician Specific treatments	:	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. 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	:	In case of fire, use water spray (fog), foam, dry chemical or CO ₂ .
Unsuitable extinguishing media	:	None known.

Version Number 1.0 Revision Date 06/02/2025



Page 4 of 15 Print Date 06/04/2025

Specific hazards arising from the chemical	:	No specific fire or explosion hazard.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen 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 containme	nt a	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

Version Number 1.0 Revision Date 06/02/2025 Page 5 of 15 Print Date 06/04/2025

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	
2-Propenenitrile, polymer with Ethenylbenzene	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 (1996-05-18) TWA 10 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.



Version Number 1.0 Revision Date 06/02/2025

GEON[®] Performance Solutions

Page 6 of 15

Print Date 06/04/2025

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.
Skin protection		
Hand protection		Chamical resistant impervious gloves complying with an approved

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 Color	: solid [Pellets.] : GREY	
Odor	: Faint odor.	
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.	

6/15

Version Number 1.0 Revision Date 06/02/2025 **GEON**[®] Performance Solutions

> Page 7 of 15 Print Date 06/04/2025

:	Not available.
:	Not available.
:	Lower: Not available.
	Upper: Not available.
:	Not available.
:	Not available.
:	Not available.
:	Not available.
:	insoluble in water.
:	Not available.
:	Not available.
:	Not available.
:	Not available.
:	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 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 products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Version Number 1.0 Revision Date 06/02/2025 Page 8 of 15 Print Date 06/04/2025

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Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure		
2-Propenenitrile, polymer with ethenylbenzene						
	LD50 Oral	Rat	1,800 mg/kg	-		
Titanium oxide						
	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.

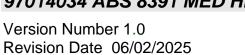
Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation	
Titanium oxide	Skin - Mild irritant	Human	-	72 hrs	-	
Conclusion/Summary						
Skin	: Mixture.N	ot fully tested.				
Eyes		ot fully tested.				
Respiratory	: Mixture.N	ot fully tested.				
<u>Sensitization</u>						
Conclusion/Summary						
Skin		ot fully tested.				
Respiratory	: Mixture.N	ot fully tested.				
Mutagenicity						
Conclusion/Summary	: Mixture.N	ot fully tested.				
Carcinogenicity						
Conclusion/Summary	: Mixture.N	ot fully tested.				

Classification

Product/ingredient name	OSHA	IARC	NTP
2-Propenenitrile, polymer	-	3	-
with ethenylbenzene			
Titanium oxide	-	2B	-

Reproductive toxicity



Potential delayed effects

Potential immediate effects

Potential chronic health effects

Potential delayed effects

Long term exposure

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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 (repea Not available.	<u>ted e</u>	exposure)
Aspiration hazard Not available.		
Information on the likely routes of exposure	:	Not available.
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.
Symptoms related to the physical, cl	hemi	cal and toxicological characteristics
Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Delayed and immediate effects and a	also c	chronic effects from short and long term exposure
Short term exposure		
Potential immediate effects	:	Not available.

:

:

:

Not available.

Not available.

Not available.

Page 9 of 15 Print Date 06/04/2025

Version Number 1.0 Revision Date 06/02/2025



Page 10 of 15

Print Date 06/04/2025

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		
<u>Acute toxicity estimates</u> 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	
Titanium oxide				
	Acute LC50 > 1,000 Mg/l	Fish - Fundulus heteroclitus	96 h	
	Marine water			
	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	
97014034 ABS 8391 MED HM	7803367			
Remarks - Acute - Aquatic invertebrates.:	Chemicals are not readily available	le as they are bound within the po	lymer matrix.	
Conclusion/Summary	: Chemicals are not read polymer matrix.	ily available as they are bound wi	thin the	
Persistence and degradability				

10/15



Version Number 1.0 Revision Date 06/02/2025 Page 11 of 15 Print Date 06/04/2025

Conclusion/Summary	:	Chemicals are not readily available as they are bound within the polymer matrix.
<u>Bioaccumulative potential</u> Not available.		
<u>Mobility in soil</u>		
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 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 Ground/Air/Water	:	Not regulated for transportation.
International Air ICAO/IATA	:	Not classified as dangerous goods under transport regulations.

Version Number 1.0 Revision Date 06/02/2025



Page 12 of 15 Print Date 06/04/2025

International Water IMO/IMDG : Not classified as dangerous goods under transport regulations.

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
		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 Ethyl benzene
		Acrylonitrile
		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)	:	LISICU
Clean Air Act Section 602 Class I	:	Not listed
Substances	•	NOT IISICU

Version Number 1.0 Revision Date 06/02/2025 Page 13 of 15 Print Date 06/04/2025

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Clean Air Act Section 602 Class II:Not listedSubstancesDEA List I Chemicals (Precursor:Not listedChemicals)DEA List II Chemicals (Essential
Chemicals):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
2-Propenenitrile, polymer with ethenylbenzene	>= 1 - <= 3	ACUTE TOXICITY - oral - Category 4
Titanium oxide	>= 0.3 - <= 1	CARCINOGENICITY - Category 2

Not applicable.

State regulations		
Massachusetts	:	None of the components are listed.
New York	:	None of the components are listed.
New Jersey	:	The following components are listed:
		2-Propenenitrile, polymer with Ethenylbenzene
		Titanium dioxide
Pennsylvania	:	The following components are listed:
		Titanium dioxide
<u>California Prop. 65</u>		

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	-	-

Version Number 1.0 Revision Date 06/02/2025



Page 14 of 15	
Print Date 06/04/2025	_

United States inventory (TSCA 8b)	:	Not determined.
Canada inventory	:	Not determined.
International regulations		
<u>Inventory list</u>		
Australia	:	All components are listed or exempted.
Canada	:	Not determined.
China	:	All components are listed or exempted.
Europe inventory	:	All components are listed or exempted.
Japan	:	Not determined.
New Zealand	:	Not determined.
Philippines	:	Not determined.
Republic of Korea	:	All components are listed or exempted.
Taiwan	:	All components are listed or exempted.
Turkey	:	Not determined.
United States	:	Not determined.

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

:	06/04/2025
:	06/02/2025
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:	1.0
:	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of
	:

Version Number 1.0 Revision Date 06/02/2025 Page 15 of 15 Print Date 06/04/2025

Chemicals IATA = International Air Transport Association IBC = International Air Transport Association IBC = 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.

