

SAFETY DATA SHEET**AQUARIUS PLASTICHARGE WHITE**

Version Number 1.4
Revision Date 11/04/2025

Page 1 of 14
Print Date 11/05/2025

SAFETY DATA SHEET

AQUARIUS PLASTICHARGE WHITE**Section 1. Identification**

GHS product identifier : AQUARIUS PLASTICHARGE WHITE
Chemical name : Mixture
CAS number : Mixture
Other means of identification : FO20048894
Product type : liquid

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

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : EYE IRRITATION - Category 2A

GHS label elements

Hazard pictograms :



Signal word : Warning
Hazard statements : Causes serious eye irritation.

Precautionary statements

Prevention : Wear eye or face protection. Wash thoroughly after handling.

SAFETY DATA SHEET**AQUARIUS PLASTICHARGE WHITE**

Version Number 1.4

Revision Date 11/04/2025

Page 2 of 14

Print Date 11/05/2025

Response	:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Hazards not otherwise classified	:	None known.
Hazards identified when used	:	No known significant effects or critical hazards.

Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Chemical name	:	AQUARIUS PLASTICHARGE WHITE
Other means of identification	:	AQUARIUS PLASTICHARGE WHITE

Ingredient name	Synonyms	%	Identifiers
Urea	urea	>= 7 - < 10	CAS: 57-13-6
Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	Poly(oxy-1,2-ethanediyl), α-[(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxy-	>= 1 - <= 5	CAS: 9036-19-5

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 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. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In

SAFETY DATA SHEET**AQUARIUS PLASTICHARGE WHITE**

Version Number 1.4

Revision Date 11/04/2025

Page 3 of 14

Print Date 11/05/2025

- 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. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed**Potential acute health effects**

- Eye contact** : Causes serious eye irritation.
- 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** : Adverse symptoms may include the following: pain or irritation, watering, redness
- 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** : 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.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

SAFETY DATA SHEET

AQUARIUS PLASTICHARGE WHITE

Version Number 1.4
Revision Date 11/04/2025

Page 4 of 14
Print Date 11/05/2025

Section 5. Fire-fighting measures

Extinguishing media

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| Suitable extinguishing media | : | In case of fire, use water spray (fog), foam, dry chemical or CO ₂ . |
| Unsuitable extinguishing media | : | None known. |
| Specific hazards arising from the chemical | : | In a fire or if heated, a pressure increase will occur and the container may burst. |
| Hazardous thermal decomposition products | : | May emit Hydrogen Chloride (HCl). Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, sulfur 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

- | | | |
|------------------------------------|---|--|
| For non-emergency personnel | : | 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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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

- | | | |
|--------------------|---|--|
| Small spill | : | Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal |
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SAFETY DATA SHEET**AQUARIUS PLASTICHARGE WHITE**

Version Number 1.4

Revision Date 11/04/2025

Page 5 of 14

Print Date 11/05/2025

Large spill

- container. Dispose of via a licensed waste disposal contractor.
- : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage**Precautions for safe handling****Protective measures**

- : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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
Urea	OARS WEEL (1999-01-01). [Urea]

SAFETY DATA SHEET**AQUARIUS PLASTICHARGE WHITE**

Version Number 1.4

Page 6 of 14

Revision Date 11/04/2025

Print Date 11/05/2025

	TWA 8 hours: 10 mg/m ³
Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	None.

Biological exposure indices

No exposure indices known.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : 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: chemical splash 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- 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

SAFETY DATA SHEET**AQUARIUS PLASTICHARGE WHITE**

Version Number 1.4

Revision Date 11/04/2025

Page 7 of 14

Print Date 11/05/2025

Respiratory protection : product.
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
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The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state	: liquid [liquid]
Color	: WHITE
Odor	: Not available.
Odor threshold	: Not available.
pH	: Not available.
Melting point/freezing point	: Not available.
Boiling point or initial boiling point and boiling range	: Not available.
Flash point	: Not available.
Evaporation rate	: Not available.
Flammability	: Not available.
Lower and upper explosion limit/flammability limit	: Lower: Not available. Upper: Not available.
Vapor pressure	: Not available.
Relative vapor density	: Not available.
Relative density	: Not available.
Solubility in water	: Not available.
Partition coefficient: n-octanol/water	: Not applicable.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Dynamic : Not available. Kinematic : Not available.

Particle characteristics

Median particle size	: Not applicable.
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SAFETY DATA SHEET**AQUARIUS PLASTICHARGE WHITE**

Version Number 1.4
Revision Date 11/04/2025

Page 8 of 14
Print Date 11/05/2025

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
Urea	Rat - Oral - LD50 8,471 mg/kg
Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	Rat - Oral - LD50 2,800 mg/kg

Conclusion/Summary[Product] : Mixture.Not fully tested.

Skin corrosion/irritation

Product/ingredient name	Result
Urea	Human - Skin - Moderate irritant <u>Duration of treatment/exposure</u> : 24 hrs

SAFETY DATA SHEET**AQUARIUS PLASTICHARGE WHITE**

Version Number 1.4

Revision Date 11/04/2025

Page 9 of 14

Print Date 11/05/2025

	Human - Skin - Mild irritant <u>Duration of treatment/exposure:</u> 72 hrs
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Conclusion/Summary[Product] : Mixture.Not fully tested.**Serious eye damage/eye irritation**

Product/ingredient name	Result
Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3- tetramethylbutyl)phenyl]- .omega.-hydroxy-	Rabbit - Eyes - Mild irritant Rabbit - Eyes - Severe irritant

Conclusion/Summary[Product] : Mixture.Not fully tested.**Respiratory corrosion/irritation****Conclusion/Summary**[Product] : Mixture.Not fully tested.**Respiratory or skin sensitization****Skin****Conclusion/Summary**[Product] : Mixture.Not fully tested.**Respiratory****Conclusion/Summary**[Product] : Mixture.Not fully tested.**Germ cell mutagenicity****Conclusion/Summary**[Product] : Mixture.Not fully tested.**Carcinogenicity****Conclusion/Summary**[Product] : Mixture.Not fully tested.**Reproductive toxicity****Conclusion/Summary**[Product] : Mixture.Not fully tested.

SAFETY DATA SHEET**AQUARIUS PLASTICHARGE WHITE**

Version Number 1.4
Revision Date 11/04/2025

Page 10 of 14
Print Date 11/05/2025

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	:	Causes serious eye irritation.
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, chemical and toxicological characteristics

Eye contact	:	Adverse symptoms may include the following: pain or irritation, watering, redness
Inhalation	:	No specific data.
Skin contact	:	No specific data.
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

Not available.

Conclusion/Summary | **Product** : Mixture. Not fully tested.

SAFETY DATA SHEET**AQUARIUS PLASTICHARGE WHITE**

Version Number 1.4

Revision Date 11/04/2025

Page 11 of 14

Print Date 11/05/2025

General	:	No known significant effects or critical hazards.
Carcinogenicity	:	No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Reproductive toxicity	:	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)
AQUARIUS PLASTICHARGE WHITE	33437.7 mg/kg	N/A	N/A	N/A	N/A
Urea	8471 mg/kg	N/A	N/A	N/A	N/A
Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3- tetramethylbutyl)phenyl]- .omega.-hydroxy-	2800 mg/kg	N/A	N/A	N/A	N/A

Section 12. Ecological information**Toxicity**

Product/ingredient name	Result
Urea	Acute LC50 Fresh water Fish - <i>Oreochromis mossambicus</i> 0.000023 Mg/l [96 h] Acute EC50 Fresh water Crustaceans - <i>Ceriodaphnia dubia</i> 6,573.1 Mg/l [48 h] Acute EC50 Fresh water Daphnia - <i>Daphnia magna</i> 3,910 Mg/l [48 h] Chronic NOEC Fresh water Fish - <i>Heteropneustes fossilis</i> 2,000 Mg/l [30 d]
Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-	Acute LC50 Fresh water Fish - <i>Oncorhynchus mykiss</i>

SAFETY DATA SHEET**AQUARIUS PLASTICHARGE WHITE**

Version Number 1.4

Page 12 of 14

Revision Date 11/04/2025

Print Date 11/05/2025

hydroxy-	7.2 Mg/l [96 h] Acute LC50 Marine water Crustaceans - <i>Pandalus montagui</i> 10.8 Mg/l [48 h] Acute LC50 Fresh water Daphnia - <i>Daphnia magna</i> 0.0086 Mg/l [48 h] Acute EC50 Fresh water Algae - <i>Selenastrum sp.</i> 0.21 Mg/l [96 h]
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Conclusion/Summary[Product] : Not available.

Persistence and degradability

Not available.

Conclusion/Summary[Product] : Not available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Urea	-1.73	-	Low

Mobility in soil

Soil/Water partition coefficient : Not available.

Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations
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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

SAFETY DATA SHEET**AQUARIUS PLASTICHARGE WHITE**

Version Number 1.4

Revision Date 11/04/2025

Page 13 of 14

Print Date 11/05/2025

disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

U.S.DOT 49CFR : Not regulated for transportation.
Ground/Air/Water

IATA : Consult mode specific transport rules

IMDG : Consult mode specific transport rules

Section 15. Regulatory information**U.S. Federal regulations**

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

TSCA 8(a) - Preliminary assessment report (PAIR): Polyethylene glycol mono(octyl)phenyl ether;
Dimethyl silicones and siloxanes;

TSCA 12(b) - Chemical export notification

Not applicable.

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 : Not listed
II Substances

DEA List I Chemicals (Precursor : Not listed
Chemicals)

DEA List II Chemicals (Essential : Not listed
Chemicals)

SARA 302/304**Composition/information on ingredients**

Name	%	EHS	SARA 302/304
13/14			



SAFETY DATA SHEET

AQUARIUS PLASTICHARGE WHITE

Version Number 1.4

Revision Date 11/04/2025

Page 14 of 14

Print Date 11/05/2025

ACRYLONITRILE	> 0 - < 0.1	Yes.	SARA 304 RQ: 100 lb(s) SARA 302 TPQ: 10,000 lb(s)
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PHENOL> 0 - <= 0.1

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.