

## ULTRASTAR AQUA GP 4250 SILVER

Version	Revision Date:	SDS Number:	Date of last issue: 09/18/2024
4.2	09/26/2024	102000027241	Date of first issue: 03/26/2018

---

## SECTION 1. IDENTIFICATION

Product name : ULTRASTAR AQUA GP 4250 SILVER  
Product code : 046699CQ0

**Manufacturer or supplier's details**

Company name of supplier : ECKART America Corporation  
Address : 830 East Erie Street  
Painesville OH 44077  
Telephone : 866-458-7837  
(440) 954-7600  
Telefax : (440) 354-6224  
e-mail adresse : info.eckart.america.oh@altana.com  
Emergency telephone : **CHEMTREC:** 800-424-9300  
**CHEMTREC:** 1-703-527-3387 (International)

**NCEC:**

(contract no. ECKART29003-NCEC)  
US: +1 866 928 0789 (Toll free)  
Canada: +1 800 579 7421 (Toll Free)  
Mexico: +52 55 5004 8763

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Eye irritation : Category 2A

**GHS label elements**

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H319 Causes serious eye irritation.

Precautionary Statements :

**Prevention:**

P264 Wash skin thoroughly after handling.  
P280 Wear eye protection/ face protection.

**Response:**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water

## ULTRASTAR AQUA GP 4250 SILVER

Version	Revision Date:	SDS Number:	Date of last issue: 09/18/2024
4.2	09/26/2024	102000027241	Date of first issue: 03/26/2018

P337 + P313 for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous ingredients**

Chemical name	CAS-No.	Concentration (% w/w)
1,2-Propanediol	57-55-6	$\geq 5 - < 10$
Aluminum	7429-90-5	$\geq 1 - < 5$
Phosphoric acid, C11-14-isoalkyl esters, C13-rich	154518-38-4 (52933-07-0)	$\geq 1 - < 5$

Actual concentration is withheld as a trade secret

**SECTION 4. FIRST AID MEASURES**

General advice	: Take the victim into fresh air. Move out of dangerous area. Show this material safety data sheet to the doctor in attendance.
If inhaled	: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	: Wash off immediately with soap and plenty of water.
In case of eye contact	: Immediately flush eye(s) with plenty of water. Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	: Causes serious eye irritation.

**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Dry sand

## ULTRASTAR AQUA GP 4250 SILVER

Version	Revision Date:	SDS Number:	Date of last issue: 09/18/2024
4.2	09/26/2024	102000027241	Date of first issue: 03/26/2018

---

	ABC powder
	Foam
Unsuitable extinguishing media	: Water
	Carbon dioxide (CO <sub>2</sub> )
Further information	: Standard procedure for chemical fires.
	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special protective equipment for fire-fighters	: Wear self-contained breathing apparatus for firefighting if necessary.

---

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	: Evacuate personnel to safe areas. Use personal protective equipment.
General advice	: The product should not be allowed to enter drains, water courses or the soil. Prevent further leakage or spillage if safe to do so.
Environmental precautions	: The product should not be allowed to enter drains, water courses or the soil.  Prevent further leakage or spillage if safe to do so.
Methods and materials for containment and cleaning up	: Use mechanical handling equipment. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Do not flush with water. Keep in suitable, closed containers for disposal.

---

**SECTION 7. HANDLING AND STORAGE**

Advice on protection against fire and explosion	: Normal measures for preventive fire protection.
Advice on safe handling	: Do not breathe vapors/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.
Conditions for safe storage	: Earthing of containers and apparatuses is essential.

---

## ULTRASTAR AQUA GP 4250 SILVER

Version	Revision Date:	SDS Number:	Date of last issue: 09/18/2024
4.2	09/26/2024	102000027241	Date of first issue: 03/26/2018

Take measures to prevent the build up of electrostatic charge.  
Use explosion-proof equipment.  
Store in original container.  
Keep container tightly closed in a dry and well-ventilated place.  
Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : Do not store near acids.  
Do not store together with oxidizing and self-igniting products.  
Keep away from oxidizing agents and strongly acid or alkaline materials.  
Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Further information on storage stability : No decomposition if stored and applied as directed.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
1,2-Propanediol	57-55-6	TWA	10 mg/m3	US WEEL
Aluminum	7429-90-5	TWA (total dust)	50 Million particles per cubic foot	OSHA Z-3
		TWA (Respirable)	5 mg/m3	NIOSH REL
		TWA (total dust)	15 mg/m3	OSHA Z-3
		TWA (total)	10 mg/m3	NIOSH REL
		TWA (respirable fraction)	5 mg/m3	OSHA Z-3
		TWA (respirable fraction)	15 Million particles per cubic foot	OSHA Z-3
		TWA (Respirable particulate matter)	1 mg/m3	ACGIH
		TWA	5 mg/m3 (Aluminum)	NIOSH REL

## ULTRASTAR AQUA GP 4250 SILVER

Version 4.2      Revision Date: 09/26/2024      SDS Number: 102000027241      Date of last issue: 09/18/2024  
 Date of first issue: 03/26/2018

		TWA (Total)	15 mg/m3 (Aluminum)	OSHA P0
		TWA (Respirable fraction)	5 mg/m3 (Aluminum)	OSHA P0
		TWA (total dust)	15 mg/m3 (Aluminum)	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3 (Aluminum)	OSHA Z-1
		TWA (Total dust)	15 mg/m3 (Aluminum)	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3 (Aluminum)	OSHA P0
		TWA (welding fumes)	5 mg/m3 (Aluminum)	NIOSH REL
		TWA (pyro powders)	5 mg/m3 (Aluminum)	NIOSH REL
		TWA (Respirable particulate matter)	1 mg/m3 (Aluminum)	ACGIH
		TWA (Fumes)	5 mg/m3	OSHA P0
		TWA (powder)	5 mg/m3 (Aluminum)	OSHA P0

**Personal protective equipment**

Respiratory protection : Use suitable breathing protection if workplace concentration requires.

Hand protection  
 Material : Solvent-resistant gloves (butyl-rubber)

Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Recommended preventive skin protection Skin should be

## ULTRASTAR AQUA GP 4250 SILVER

Version	Revision Date:	SDS Number:	Date of last issue: 09/18/2024
4.2	09/26/2024	102000027241	Date of first issue: 03/26/2018

---

washed after contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection	:	Goggles Wear face-shield and protective suit for abnormal processing problems.
Skin and body protection	:	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures	:	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

---

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	silver
Odor	:	characteristic
Odor Threshold	:	No data available
pH	:	6 - 8 Concentration: 100 %
Melting point/range	:	Not applicable
Boiling point/boiling range	:	> 100 °C
Flash point	:	> 100 °C
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative density	:	No data available
Density	:	1.0 - 1.2 g/cm <sup>3</sup>
Solubility(ies)	:	
Water solubility	:	insoluble
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	370 °C
Decomposition temperature	:	No data available
Viscosity	:	No data available
Total Volatile organic compounds (VOC) content	:	5.00 - 10.00 %

---

## ULTRASTAR AQUA GP 4250 SILVER

Version	Revision Date:	SDS Number:	Date of last issue: 09/18/2024
4.2	09/26/2024	102000027241	Date of first issue: 03/26/2018

---

---

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Contact with acids and alkalis may release hydrogen. Stable under recommended storage conditions.
Conditions to avoid	:	Do not allow evaporation to dryness. No data available
Incompatible materials	:	Acids Bases Oxidizing agents

---

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Not classified based on available information.

**Components:****1,2-Propanediol:**

Acute oral toxicity : LD50 (Rat): &gt; 22,000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): &gt; 2,000 mg/kg

**Skin corrosion/irritation**

Not classified based on available information.

**Components:****1,2-Propanediol:**

Result: No skin irritation

**Phosphoric acid, C11-14-isoalkyl esters, C13-rich:**

Result: Skin irritation

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Components:****1,2-Propanediol:**

Result: No eye irritation

## ULTRASTAR AQUA GP 4250 SILVER

Version	Revision Date:	SDS Number:	Date of last issue: 09/18/2024
4.2	09/26/2024	102000027241	Date of first issue: 03/26/2018

---

**Phosphoric acid, C11-14-isoalkyl esters, C13-rich:**

Result: Irreversible effects on the eye

**Respiratory or skin sensitization****Skin sensitization**

Not classified based on available information.

**Respiratory sensitization**

Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**IARC**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Not classified based on available information.

**STOT-single exposure**

Not classified based on available information.

**STOT-repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.



## ULTRASTAR AQUA GP 4250 SILVER

Version	Revision Date:	SDS Number:	Date of last issue: 09/18/2024
4.2	09/26/2024	102000027241	Date of first issue: 03/26/2018

---

Further information

---

## SECTION 12. ECOLOGICAL INFORMATION

## Ecotoxicity

Components:**1,2-Propanediol:**

Toxicity to daphnia and other : (Daphnia magna (Water flea)): > 10,000 mg/l  
aquatic invertebrates

**Phosphoric acid, C11-14-isoalkyl esters, C13-rich:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 24 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 6.31 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to algae : EC50 (algae): 150 mg/l  
Exposure time: 72 h

**Ecotoxicology Assessment**

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Other adverse effects**

No data available

Components:**1,2-Propanediol:**

Additional ecological : No data available  
information

SECTION 13. DISPOSAL CONSIDERATIONS

---

**Disposal methods**

Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with  
chemical or used container.  
Send to a licensed waste management company.

**ULTRASTAR AQUA GP 4250 SILVER**

Version	Revision Date:	SDS Number:	Date of last issue: 09/18/2024
4.2	09/26/2024	102000027241	Date of first issue: 03/26/2018

---

Contaminated packaging : In accordance with local and national regulations.  
Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
In accordance with local and national regulations.

---

**SECTION 14. TRANSPORT INFORMATION****Domestic regulation****49 CFR**

Not regulated as a dangerous good

**49 CFR** : Not classified as dangerous in the meaning of transport regulations.

**International Regulations****IATA-DGR**

Not permitted for transport

**IMDG-Code**

Not regulated as a dangerous good

Remarks : Not classified as dangerous in the meaning of transport regulations., Due to the risk of hydrogen development we recommend to refrain from airfreighting this/these product(s).

**ADR** : Not classified as dangerous in the meaning of transport regulations.

**IATA-DGR** : Not classified as dangerous in the meaning of transport regulations.

**IMDG-Code** : Not classified as dangerous in the meaning of transport regulations.

Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

## ULTRASTAR AQUA GP 4250 SILVER

Version	Revision Date:	SDS Number:	Date of last issue:
4.2	09/26/2024	102000027241	09/18/2024
			Date of first issue: 03/26/2018

---

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Serious eye damage or eye irritation

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

Aluminum	7429-90-5	>= 1 - < 5 %
----------	-----------	--------------

**Clean Air Act**

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

1,2-Propanediol	57-55-6	>= 5 - < 10 %
-----------------	---------	---------------

**Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

**US State Regulations****Massachusetts Right To Know**

Aluminum	7429-90-5
----------	-----------

**Pennsylvania Right To Know**

Water	7732-18-5
-------	-----------

Kein gefährlicher Stoff oder gefährliches Gemisch gemäß dem Global Harmonisierten System (GHS).	Not Assigned
---	--------------

1,2-Propanediol	57-55-6
-----------------	---------

Aluminum	7429-90-5
----------	-----------

## ULTRASTAR AQUA GP 4250 SILVER

Version	Revision Date:	SDS Number:	Date of last issue:
4.2	09/26/2024	102000027241	09/18/2024
			Date of first issue: 03/26/2018

---

**California Prop. 65**

WARNING: This product can expose you to chemicals including lead and cadmium, which is/are 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](http://www.P65Warnings.ca.gov).

**California List of Hazardous Substances**

Aluminum	7429-90-5
----------	-----------

**California Permissible Exposure Limits for Chemical Contaminants**

Aluminum	7429-90-5
----------	-----------

**The ingredients of this product are reported in the following inventories:**

DSL	: On the inventory, or in compliance with the inventory
TSCA	: All substances listed as active on the TSCA inventory

**TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

---

**SECTION 16. OTHER INFORMATION****Full text of other abbreviations**

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	: USA. NIOSH Recommended Exposure Limits
OSHA P0	: USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
OSHA Z-1	: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
OSHA Z-3	: USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
US WEEL	: USA. Workplace Environmental Exposure Levels (WEEL)
ACGIH / TWA	: 8-hour, time-weighted average
NIOSH REL / TWA	: Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
OSHA P0 / TWA	: 8-hour time weighted average
OSHA Z-1 / TWA	: 8-hour time weighted average
OSHA Z-3 / TWA	: 8-hour time weighted average
US WEEL / TWA	: 8-hr TWA

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation,

## ULTRASTAR AQUA GP 4250 SILVER

Version	Revision Date:	SDS Number:	Date of last issue: 09/18/2024
4.2	09/26/2024	102000027241	Date of first issue: 03/26/2018

---

and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 09/26/2024

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / Z8