

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ULTRASTAR SX-9320 Silver

Version 3.1      Revision Date: 03.04.2024      SDS Number: 102000036076      Print Date: 16.04.2024  
Date of first issue: 30.11.2022

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : ULTRASTAR SX-9320 Silver  
Product code : 027474FY0

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Colorant; Printing ink related material; Printing ink, Colouring agents, dyes

#### 1.3 Details of the supplier of the safety data sheet

Company : ECKART GmbH  
Guentersthal 4  
91235 Hartenstein  
  
Telephone : +499152770  
Telefax : +499152777008  
  
E-mail address of person responsible for the SDS : [msds.eckart@altana.com](mailto:msds.eckart@altana.com)

#### 1.4 Emergency telephone number

NCEC: +44 1235 239670 (Europe)  
Call and response in your language is possible.  
Contract no.: ECKART29003-NCEC.

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### SECTION 2: Hazards identification


#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Eye irritation, Category 2      H319: Causes serious eye irritation.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms : 

Signal word : Warning

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

### Additional Labelling

EUH208 Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	ClassificationREGULATION (EC) No 1272/2008	Concentration (% w/w)
3-methoxy-3-methylbutan-1-ol	56539-66-3 260-252-4  01-2119976333-33	Eye Irrit. 2; H319	>= 50 - <= 100
aluminium powder (stabilised)	7429-90-5 231-072-3 013-002-00-1  01-2119529243-45	Flam. Sol. 1; H228	>= 1 - < 10
acetone	67-64-1 200-662-2 606-001-00-8  01-2119471330-49	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 (Central nervous system) EUH066	>= 1 - < 10
N-(3-	1760-24-3	Eye Dam. 1; H318	>= 0.1 - < 1

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(trimethoxysilyl)propyl)ethylenedia mine	217-164-6 01-2119970215-39	Skin Sens. 1B; H317 STOT SE 3; H335 (Respiratory system)
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For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.  
Move the victim to fresh air.
- If inhaled : Remove to fresh air.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water.  
If on clothes, remove clothes.  
  
Wash off immediately with soap and plenty of water.
- In case of eye contact : Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.  
  
Immediately flush eye(s) with plenty of water.
- 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.

#### 4.2 Most important symptoms and effects, both acute and delayed

- Risks : Causes serious eye irritation.

#### 4.3 Indication of any immediate medical attention and special treatment needed

This information is not available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media : Dry sand  
ABC powder  
Foam

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Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media : High volume water jet  
Carbon dioxide (CO<sub>2</sub>)

High volume water jet

### 5.2 Special hazards arising from the substance or mixture

This information is not available.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use a water spray to cool fully closed containers.

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## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Evacuate personnel to safe areas.

### 6.2 Environmental precautions

General advice : Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.  
The product should not be allowed to enter drains, water courses or the soil.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Keep in suitable, closed containers for disposal.

Use mechanical handling equipment.  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

### 6.4 Reference to other sections

For personal protection see section 8.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

- Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.  
Keep away from open flames, hot surfaces and sources of ignition.
- Hygiene measures : When using do not eat or drink. When using do not smoke.  
Wash hands before breaks and at the end of workday.

#### 7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : No smoking. Keep in a well-ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
- Earthing of containers and apparatuses is essential. Reaction with water liberates extremely flammable gas (hydrogen) Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition - No smoking. Keep container closed when not in use.
- Further information on storage conditions : Protect from humidity and water.
- Advice on common storage : Do not store near acids.  
Do not store together with oxidizing and self-igniting products.  
Never allow product to get in contact with water during storage.  
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.

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### 7.3 Specific end use(s)

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
propane-1,2-diol	57-55-6	TWA (particles)	10 mg/m <sup>3</sup>	GB EH40
	Further information: Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit should be used.			
		TWA (Total vapour and particles)	150 ppm 474 mg/m <sup>3</sup>	GB EH40
	Further information: Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit should be used.			
aluminium powder (stabilised)	7429-90-5	TWA (Inhalable)	10 mg/m <sup>3</sup>	GB EH40
		TWA (Respirable fraction)	4 mg/m <sup>3</sup>	GB EH40
		TWA (inhalable dust)	10 mg/m <sup>3</sup>	GB EH40
	Further information: For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/4 General methods for sampling and gravimetric analysis or respirable, thoracic and inhalable aerosols., The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m <sup>-3</sup> 8-hour TWA of inhalable dust or 4 mg.m <sup>-3</sup> 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed to dust above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limits., Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system, and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/4., Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit should be used.			
		TWA (Respirable dust)	4 mg/m <sup>3</sup>	GB EH40
	Further information: For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected			

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	<p>when sampling is undertaken in accordance with the methods described in MDHS14/4 General methods for sampling and gravimetric analysis or respirable, thoracic and inhalable aerosols., The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m<sup>-3</sup> 8-hour TWA of inhalable dust or 4 mg.m<sup>-3</sup> 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed to dust above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limits., Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system, and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/4., Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit should be used.</p>			
acetone	67-64-1	TWA	500 ppm 1,210 mg/m <sup>3</sup>	2000/39/EC
	Further information: Indicative			
		TWA	500 ppm 1,210 mg/m <sup>3</sup>	GB EH40
		STEL	1,500 ppm 3,620 mg/m <sup>3</sup>	GB EH40

### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
3-methoxy-3-methylbutan-1-ol	Workers	Inhalation	Long-term systemic effects	5.9 mg/m <sup>3</sup>
	Workers	Dermal	Long-term systemic effects	2 mg/kg
	Consumers	Inhalation	Long-term systemic effects	1.7 mg/m <sup>3</sup>
	Consumers	Dermal	Long-term systemic effects	1.2 mg/kg
	Consumers	Oral	Long-term systemic effects	0.5 mg/kg
propane-1,2-diol	Workers	Inhalation	Long-term systemic effects	168 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term local effects	10 mg/m <sup>3</sup>
	Consumers	Inhalation	Long-term systemic effects	50 mg/m <sup>3</sup>
	Consumers	Inhalation	Long-term local effects	10 mg/m <sup>3</sup>
aluminium powder	Workers	Inhalation	Long-term systemic	3.72 mg/m <sup>3</sup>

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(stabilised)			effects	
	Workers	Inhalation	Long-term local effects	3.72 mg/m <sup>3</sup>
	Consumers	Oral	Long-term systemic effects	3.95 mg/kg
acetone	Workers	Inhalation	Long-term systemic effects	1210 mg/m <sup>3</sup>
	Workers	Inhalation	Acute local effects	2420 mg/m <sup>3</sup>
	Workers	Inhalation	Acute systemic effects	1210 mg/m <sup>3</sup>
	Workers	Dermal	Long-term systemic effects	186 mg/kg
	Consumers	Inhalation	Long-term systemic effects	200 mg/m <sup>3</sup>
	Consumers	Dermal	Long-term systemic effects	62 mg/kg
	Consumers	Oral	Long-term systemic effects	62 mg/kg
N-(3-(trimethoxysilyl)propyl)ethylenediamine	Workers	Inhalation	Long-term systemic effects	35.3 mg/m <sup>3</sup>
	Workers	Inhalation	Acute systemic effects	260 mg/m <sup>3</sup>
	Workers	Inhalation	Acute local effects	5.36 mg/m <sup>3</sup>
	Workers	Dermal	Long-term systemic effects	5 mg/kg
	Workers	Dermal	Acute systemic effects	5 mg/kg
	Consumers	Inhalation	Long-term systemic effects	8.7 mg/m <sup>3</sup>
	Consumers	Inhalation	Long-term local effects	0.1 mg/m <sup>3</sup>
	Consumers	Inhalation	Acute systemic effects	50 mg/m <sup>3</sup>
	Consumers	Inhalation	Acute local effects	4 mg/m <sup>3</sup>
	Consumers	Dermal	Long-term systemic effects	2.5 mg/kg
	Consumers	Dermal	Acute systemic effects	17 mg/kg
	Consumers	Oral	Long-term systemic effects	2.5 mg/kg

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
propane-1,2-diol	Fresh water	260 mg/l
	Marine water	26 mg/l
	Intermittent use/release	183 mg/l
	Fresh water sediment	572 mg/kg
	Marine sediment	57.2 mg/kg
	Soil	50 mg/kg
aluminium powder (stabilised)	Fresh water	0.0749 mg/l



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	clarification plant	20 mg/l
acetone	Fresh water	10.6 mg/l
	Marine water	1.06 mg/l
	Fresh water sediment	30.4 mg/kg
	Marine sediment	3.04 mg/kg
	STP	100 mg/l
	Soil	29.5 mg/kg
	periodical release	21 mg/l
N-(3-(trimethoxysilyl)propyl)ethylenedi amine	Fresh water	0.062 mg/l
	Marine water	0.0062 mg/l
	STP	25 mg/l
	Fresh water sediment	0.048 mg/kg
	Marine sediment	0.0048 mg/kg
	Soil	0.0075 mg/kg

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.  
Goggles

#### Hand protection

Material : Solvent-resistant gloves (butyl-rubber)

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.  
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). The exact break through time can be obtained from the protective glove producer and this has to be observed.  
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 washed after contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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

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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Form	:	liquid
Colour	:	silver
Odour	:	characteristic
Odour Threshold	:	No data available
Freezing point	:	No data available
Boiling point/boiling range	:	173 °C
Flammability	:	No data available
Flammability (liquids)	:	Flammable liquids
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	71 °C
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
pH	:	substance/mixture is non-soluble (in water)
Viscosity, kinematic	:	No data available
Solubility(ies)		
Water solubility	:	insoluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Vapour pressure	:	No data available
Vapor Pressure for Components:		
3-methoxy-3-methylbutan-1-ol	:	47 Pa (20 °C)
acetone	:	240 hPa (20 °C)
N-(3-(trimethoxysilyl)propyl)ethy	:	1.5 hPa (20 °C)

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lenediamine  
Relative density : No data available

Density : 1 g/cm<sup>3</sup>

Relative vapour density : No data available

Particle characteristics  
Particle Size Distribution : No data available

### 9.2 Other information

Self-ignition : No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.  
  
Contact with acids and alkalis may release hydrogen.  
  
Vapours may form explosive mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.  
  
Do not allow evaporation to dryness.

### 10.5 Incompatible materials

Materials to avoid : Acids  
Bases  
Oxidizing agents

### 10.6 Hazardous decomposition products

This information is not available.

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### SECTION 11: Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### Acute toxicity

Not classified based on available information.

##### Components:

##### **aluminium powder (stabilised):**

Acute inhalation toxicity : LC50 (Rat): > 5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

##### **acetone:**

Acute oral toxicity : LD50 (Rabbit): 4,700 - 5,800 mg/kg  
(Mouse): 3,000 mg/kg  
(Rat): 9,800 mg/kg

Acute inhalation toxicity : LC50 (Rat): 76 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

##### **N-(3-(trimethoxysilyl)propyl)ethylenediamine :**

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

##### **Skin corrosion/irritation**

Not classified based on available information.

##### Product:

Remarks : May cause skin irritation in susceptible persons.

##### Components:

##### **acetone:**

Remarks : Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.

##### **Serious eye damage/eye irritation**

Causes serious eye irritation.

##### Product:

Remarks : May cause irreversible eye damage.

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### Components:

#### **3-methoxy-3-methylbutan-1-ol:**

Result : Mild eye irritation

#### **acetone:**

Result : Eye irritation

#### **N-(3-(trimethoxysilyl)propyl)ethylenediamine :**

Result : Corrosive

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

### Components:

#### **N-(3-(trimethoxysilyl)propyl)ethylenediamine :**

Result : The product is a skin sensitizer, sub-category 1B.

#### **Germ cell mutagenicity**

Not classified based on available information.

#### **Carcinogenicity**

Not classified based on available information.

#### **Reproductive toxicity**

Not classified based on available information.

#### **STOT - single exposure**

Not classified based on available information.

### Components:

#### **acetone:**

Assessment : May cause drowsiness or dizziness.

#### **N-(3-(trimethoxysilyl)propyl)ethylenediamine :**

Assessment : May cause respiratory irritation.

#### **STOT - repeated exposure**

Not classified based on available information.

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### Aspiration toxicity

Not classified based on available information.

### 11.2 Information on other hazards

#### Further information

#### Product:

Remarks : No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

#### acetone:

Toxicity to daphnia and other aquatic invertebrates : (Daphnia magna (Water flea)): 21,600 mg/l

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

No data available

### 12.7 Other adverse effects

#### Product:

Additional ecological information : No data available

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## SECTION 13: Disposal considerations

European Waste Catalogue : 08 03 12 - waste ink containing dangerous substances

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### 13.1 Waste treatment methods

- Product : 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.
- Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.
- 

## SECTION 14: Transport information

### 14.1 UN number or ID number

- ADR : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

### 14.2 UN proper shipping name

- ADR : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

- ADR : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

### 14.4 Packing group

- ADR : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA (Cargo) : Not regulated as a dangerous good  
IATA (Passenger) : Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

- Remarks : Not classified as dangerous in the meaning of transport regulations.

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

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## ULTRASTAR SX-9320 Silver

Version 3.1      Revision Date: 03.04.2024      SDS Number: 102000036076      Print Date: 16.04.2024  
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### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant EU provisions transposed through retained EU law

- |                                                                                                                                            |   |                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) | : | Conditions of restriction for the following entries should be considered:<br>Number on list 3<br>3-methoxy-3-methylbutan-1-ol (Number on list 3)<br>aluminium powder (stabilised) (Number on list 40)<br>acetone (Number on list 3)<br>N-(3-(trimethoxysilyl)propyl)ethylenediamine (Number on list 3)<br>Phosphoric acid polyester (72243-070628, Germany) (Number on list 3) |
| UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation                                                        | : | Not applicable                                                                                                                                                                                                                                                                                                                                                                 |
| The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)                            | : | Not applicable                                                                                                                                                                                                                                                                                                                                                                 |
| Regulation (EC) No 1005/2009 on substances that deplete the ozone layer                                                                    | : | Not applicable                                                                                                                                                                                                                                                                                                                                                                 |
| Regulation (EU) 2019/1148 on the marketing and use of explosives precursors                                                                | : | acetone                                                                                                                                                                                                                                                                                                                                                                        |
| UK REACH List of substances subject to authorisation (Annex XIV)                                                                           | : | Not applicable                                                                                                                                                                                                                                                                                                                                                                 |
| Regulation (EU) 2019/1148 on the marketing and use of explosives precursors                                                                | : |                                                                                                                                                                                                                                                                                                                                                                                |

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point. acetone (ANNEX II)

#### 15.2 Chemical safety assessment

No data available

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### SECTION 16: Other information

#### Full text of H-Statements

H225 : Highly flammable liquid and vapour.

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# SAFETY DATA SHEET

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H228 : Flammable solid.  
H317 : May cause an allergic skin reaction.  
H318 : Causes serious eye damage.  
H319 : Causes serious eye irritation.  
H335 : May cause respiratory irritation.  
H336 : May cause drowsiness or dizziness.  
EUH066 : Repeated exposure may cause skin dryness or cracking.

### Full text of other abbreviations

Eye Dam. : Serious eye damage  
Eye Irrit. : Eye irritation  
Flam. Liq. : Flammable liquids  
Flam. Sol. : Flammable solids  
Skin Sens. : Skin sensitisation  
STOT SE : Specific target organ toxicity - single exposure  
2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values  
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits  
2000/39/EC / TWA : Limit Value - eight hours  
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)  
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; 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; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; 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; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals

