

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ULTRASTAR GX-2825 Silver

Version 2.3      Revision Date: 19.10.2017      SDS Number: 102000002455      Print Date: 20.11.2018  
Date of first issue: 16.12.2015

---

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

#### 1.1 Product identifier

Trade name : ULTRASTAR GX-2825 Silver  
Product code : 051769FY0 051769FY0

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

This information is not available.

#### 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

#### 1.4 Emergency telephone number

GBK Gefahrgut Büro GmbH, Ingelheim, Germany:  
From outside US : (001) 352-323-3500  
(First call in English, response in your language is possible)  
US & Canada (toll free) : 1-800-5355-053

---

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Flammable liquids, Category 2      H225: Highly flammable liquid and vapour.  
Eye irritation, Category 2      H319: Causes serious eye irritation.  
Specific target organ toxicity - single exposure, Category 3, Central nervous system      H336: May cause drowsiness or dizziness.

#### 2.2 Label elements

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



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ULTRASTAR GX-2825 Silver

Version 2.3      Revision Date: 19.10.2017      SDS Number: 102000002455      Print Date: 20.11.2018  
Date of first issue: 16.12.2015

Hazard pictograms	:	 
Signal word	:	Danger
Hazard statements	:	H225      Highly flammable liquid and vapour. H319      Causes serious eye irritation. H336      May cause drowsiness or dizziness.
Supplemental Hazard Statements	:	EUH066      Repeated exposure may cause skin dryness or cracking.
Precautionary statements	:	<b>Prevention:</b> P210      Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233      Keep container tightly closed. P261      Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P280      Wear protective gloves/ eye protection/ face protection. <b>Response:</b> P303 + P361 + P353      IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P370 + P378      In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Hazardous components which must be listed on the label:

1-methoxy-2-propanol  
ethyl acetate  
propan-2-ol  
propan-2-ol  
acetone

### 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

#### Hazardous components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification REGULATION (EC) No 1272/2008	Concentration (% w/w)
ethyl acetate	141-78-6	Flam. Liq. 2; H225	>= 20 - < 25

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ULTRASTAR GX-2825 Silver

Version  
2.3

Revision Date:  
19.10.2017

SDS Number:  
102000002455

Print Date: 20.11.2018  
Date of first issue: 16.12.2015

	205-500-4 607-022-00-5 01-2119475103-46	Eye Irrit. 2; H319 STOT SE 3; H336	
ethanol	64-17-5 200-578-6 603-002-00-5	Flam. Liq. 2; H225 Eye Irrit. 2; H319	>= 20 - < 25
propan-2-ol	67-63-0 200-661-7 603-117-00-0 01-2119457558-25	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	>= 10 - < 20
aluminium powder (stabilised)	7429-90-5 231-072-3 013-002-00-1	Flam. Sol. 1; H228	>= 1 - < 10
butyl lactate	34451-19-9 205-316-4	Eye Irrit. 2; H319 Skin Irrit. 2; H315	>= 3 - < 5
propan-2-ol	67-63-0 200-661-7	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	>= 1 - < 3
acetone	67-64-1 200-662-2	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	>= 1 - < 3
Substances with a workplace exposure limit :			
1-methoxy-2-propanol	107-98-2 203-539-1 603-064-00-3 01-2119457435-35	Flam. Liq. 3; H226 STOT SE 3; H336	>= 25 - < 50

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.
- If inhaled : Consult a physician after significant exposure.  
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : 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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ULTRASTAR GX-2825 Silver

Version	Revision Date:	SDS Number:	Print Date: 20.11.2018
2.3	19.10.2017	102000002455	Date of first issue: 16.12.2015

---

If symptoms persist, call a physician.

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

None known.

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

---

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : High volume water jet

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

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

### 5.3 Advice for firefighters

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

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

---

## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ULTRASTAR GX-2825 Silver

Version	Revision Date:	SDS Number:	Print Date: 20.11.2018
2.3	19.10.2017	102000002455	Date of first issue: 16.12.2015

---

Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

### 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).

### 6.4 Reference to other sections

---

## 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 exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
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.  
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use only explosion-proof equipment. 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 container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Electrical installations / working materials must comply with the technological safety standards.

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

### 7.3 Specific end use(s)

This information is not available.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ULTRASTAR GX-2825 Silver

Version  
2.3

Revision Date:  
19.10.2017

SDS Number:  
102000002455

Print Date: 20.11.2018  
Date of first issue: 16.12.2015

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis (Version Date)
1-methoxy-2-propanol	107-98-2	STEL	150 ppm 568 mg/m <sup>3</sup>	2000/39/EC (2000-06-16)
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	100 ppm 375 mg/m <sup>3</sup>	2000/39/EC (2000-06-16)
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
		NGV	50 ppm 190 mg/m <sup>3</sup>	SE AFS (2015-11-12)
Further information	Substance can be easily absorbed through the skin.			
		KTV	150 ppm 568 mg/m <sup>3</sup>	SE AFS (2015-11-12)
Further information	Substance can be easily absorbed through the skin.			
ethyl acetate	141-78-6	NGV	150 ppm 500 mg/m <sup>3</sup>	SE AFS (2015-11-12)
Further information	Indicative short term limit value shall be used as a recommended maximum value and should not be exceeded			
		KTV	300 ppm 1.100 mg/m <sup>3</sup>	SE AFS (2015-11-12)
Further information	Indicative short term limit value shall be used as a recommended maximum value and should not be exceeded			
		STEL	400 ppm 1.468 mg/m <sup>3</sup>	2017/164/EU (2017-02-01)
Further information	Indicative			
		TWA	200 ppm 734 mg/m <sup>3</sup>	2017/164/EU (2017-02-01)
Further information	Indicative			
ethanol	64-17-5	NGV	500 ppm 1.000 mg/m <sup>3</sup>	SE AFS (2005-06-13)
		NGV	500 ppm 1.000 mg/m <sup>3</sup>	SE AFS (2015-11-12)
Further information	Indicative short term limit value shall be used as a recommended maximum value and should not be exceeded			
		KTV	1.000 ppm 1.900 mg/m <sup>3</sup>	SE AFS (2005-06-13)
		KTV	1.000 ppm 1.900 mg/m <sup>3</sup>	SE AFS (2015-11-12)
Further information	Indicative short term limit value shall be used as a recommended maximum value and should not be exceeded			
propan-2-ol	67-63-0	NGV	150 ppm 350 mg/m <sup>3</sup>	SE AFS (2015-11-12)
Further information	Indicative short term limit value shall be used as a recommended maximum value and should not be exceeded			
		KTV	250 ppm 600 mg/m <sup>3</sup>	SE AFS (2015-11-12)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ULTRASTAR GX-2825 Silver

Version  
2.3

Revision Date:  
19.10.2017

SDS Number:  
102000002455

Print Date: 20.11.2018  
Date of first issue: 16.12.2015

Further information	Indicative short term limit value shall be used as a recommended maximum value and should not be exceeded			
aluminium powder (stabilised)	7429-90-5	NGV (Total)	5 mg/m <sup>3</sup>	SE AFS (2011-12-16)
Further information	Inhalable dust refers to the dust fraction as defined in the Swedish Standard SS-EN 481, Workplace Atmospheres - Size fraction definitions for measurement of airborne particles, 1st ED., 1993., Section 2.3 and having sampling characteristics as specified in paragraph 5.1. Respirable dust refers to the dust fraction as defined in the Swedish Standard SS-EN 481, Workplace Atmospheres - Size fraction definitions for measurement of airborne particles, 1st ED., 1993., Section 2.11 and having sampling characteristics as specified in paragraph 5.3. Total dust refers to all the particles (aerosols) trapped in a filter in the sampling apparatus described in Methods, Sampling of total dust and respirable dust, method nr 1010, published by the National Board of Occupational Safety and Health, now Work Environment Authority. The filter diameter shall normally be 37 mm but can also be 25 mm. Despite its name, not the total amount of airborne particles is measured by this method.			
		NGV (Respirable)	2 mg/m <sup>3</sup>	SE AFS (2011-12-16)
Further information	Inhalable dust refers to the dust fraction as defined in the Swedish Standard SS-EN 481, Workplace Atmospheres - Size fraction definitions for measurement of airborne particles, 1st ED., 1993., Section 2.3 and having sampling characteristics as specified in paragraph 5.1. Respirable dust refers to the dust fraction as defined in the Swedish Standard SS-EN 481, Workplace Atmospheres - Size fraction definitions for measurement of airborne particles, 1st ED., 1993., Section 2.11 and having sampling characteristics as specified in paragraph 5.3. Total dust refers to all the particles (aerosols) trapped in a filter in the sampling apparatus described in Methods, Sampling of total dust and respirable dust, method nr 1010, published by the National Board of Occupational Safety and Health, now Work Environment Authority. The filter diameter shall normally be 37 mm but can also be 25 mm. Despite its name, not the total amount of airborne particles is measured by this method.			
butyl lactate	34451-19-9	NGV	5 ppm 30 mg/m <sup>3</sup>	SE AFS (2005-06-13)
Further information	The same limit value expressed in ppm shall be applied to those lactates for which no limit values have been defined.			
		KTV	10 ppm 60 mg/m <sup>3</sup>	SE AFS (2005-06-13)
Further information	The same limit value expressed in ppm shall be applied to those lactates for which no limit values have been defined.			
propan-2-ol	67-63-0	NGV	150 ppm 350 mg/m <sup>3</sup>	SE AFS (2005-06-13)
		KTV	250 ppm 600 mg/m <sup>3</sup>	SE AFS (2005-06-13)
acetone	67-64-1	TWA	500 ppm 1.210 mg/m <sup>3</sup>	2000/39/EC (2000-06-16)
Further information	Indicative			
		NGV	250 ppm 600 mg/m <sup>3</sup>	SE AFS (2005-06-13)
		KTV	500 ppm	SE AFS (2005-

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ULTRASTAR GX-2825 Silver

Version  
2.3

Revision Date:  
19.10.2017

SDS Number:  
102000002455

Print Date: 20.11.2018  
Date of first issue: 16.12.2015

		1.200 mg/m <sup>3</sup>	06-13)
--	--	-------------------------	--------

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

Substance name	End Use	Exposure routes	Potential health effects	Value
1-methoxy-2-propanol	Workers	Inhalation	short term – local effects	553,5 mg/m <sup>3</sup>
	Workers	Skin contact	long term – systemic effects	50,6 mg/kg
	Workers	Inhalation	long term – systemic effects	369 mg/m <sup>3</sup>
	Consumers	Ingestion	long term – systemic effects	33 mg/kg
	Consumers	Skin contact	long term – systemic effects	78 mg/kg
	Consumers	Inhalation	long term – systemic effects	43,9 mg/m <sup>3</sup>
ethyl acetate	Workers	Inhalation	short term – local effects	1468 mg/m <sup>3</sup>
	Workers	Inhalation	short term – systemic effects	1468 mg/m <sup>3</sup>
	Workers	Inhalation	long term – local effects	734 mg/m <sup>3</sup>
	Workers	Skin contact	long term – systemic effects	63 mg/kg
	Workers	Inhalation	long term – systemic effects	734 mg/m <sup>3</sup>
	Consumers	Inhalation	short term – local effects	734 mg/m <sup>3</sup>
	Consumers	Inhalation	short term – systemic effects	734 mg/m <sup>3</sup>
	Consumers	Inhalation	long term – local effects	367 mg/m <sup>3</sup>
	Consumers	Skin contact	long term – systemic effects	37 mg/kg
	Consumers	Inhalation	long term – systemic effects	367 mg/m <sup>3</sup>
	Consumers	Ingestion	long term – systemic effects	4,5 mg/kg
	ethanol	Workers	Inhalation	short term – local effects
Workers		Skin contact	long term – systemic effects	343 mg/kg
Workers		Inhalation	long term – systemic effects	950 mg/m <sup>3</sup>
Consumers		Inhalation	short term – local effects	950 mg/m <sup>3</sup>
Consumers		Ingestion	long term – systemic effects	87 mg/kg
Consumers		Skin contact	long term – systemic effects	206 mg/kg
	Consumers	Inhalation	long term – systemic	114 mg/m <sup>3</sup>



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ULTRASTAR GX-2825 Silver

Version  
2.3

Revision Date:  
19.10.2017

SDS Number:  
102000002455

Print Date: 20.11.2018  
Date of first issue: 16.12.2015

			effects	
propan-2-ol	Workers	Skin contact	long term – systemic effects	888 mg/kg
	Workers	Inhalation	long term – systemic effects	500 mg/m3
	Consumers	Ingestion	long term – systemic effects	26 mg/kg
	Consumers	Skin contact	long term – systemic effects	319 mg/kg
	Consumers	Inhalation	long term – systemic effects	89 mg/m3
aluminium powder (stabilised)	Workers	Inhalation	long term – local effects	3,72 mg/m3
	Consumers	Oral	long term – systemic effects	3,95 mg/kg
propan-2-ol	Workers	Skin contact	long term – systemic effects	888 mg/kg
	Workers	Inhalation	long term – systemic effects	500 mg/m3
	Consumers	Ingestion	long term – systemic effects	26 mg/kg
	Consumers	Skin contact	long term – systemic effects	319 mg/kg
	Consumers	Inhalation	long term – systemic effects	89 mg/m3
acetone	Workers	Skin contact	long term – systemic effects	186 mg/kg
	Workers	Inhalation	long term – systemic effects	1210 mg/m3
	Consumers	Ingestion	long term – systemic effects	62 mg/kg
	Consumers	Skin contact	long term – systemic effects	62 mg/kg
	Consumers	Inhalation	long term – systemic effects	200 mg/m3

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

Substance name	Environmental Compartment	Value
1-methoxy-2-propanol	Fresh water	10 mg/l
	Marine water	1 mg/l
	STP	100 mg/l
	Fresh water sediment	52,3 mg/kg
	Soil	4,59 mg/kg
	Marine sediment	5,2 mg/kg
ethyl acetate	Soil	0,148 mg/kg
	STP	650 mg/l
	Fresh water	0,24 mg/l
	Marine water	0,024 mg/l
	Fresh water sediment	1,15 mg/kg
ethanol	Marine sediment	0,115 mg/kg
	Soil	0,63 mg/kg

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ULTRASTAR GX-2825 Silver

Version 2.3      Revision Date: 19.10.2017      SDS Number: 102000002455      Print Date: 20.11.2018  
Date of first issue: 16.12.2015

	Fresh water	0,96 mg/l
	Fresh water sediment	3,6 mg/kg
	Marine water	0,79 mg/l
	Marine sediment	2,9 mg/kg
	STP	580 mg/l
propan-2-ol	Soil	28 mg/kg
	Fresh water	140,9 mg/l
	Fresh water sediment	552 mg/kg
	Marine water	140,9 mg/l
	Marine sediment	552 mg/kg
	STP	2251 mg/l
aluminium powder (stabilised)	Fresh water	0,0749 mg/l
	clarification plant	20 mg/l
propan-2-ol	Soil	28 mg/kg
	Fresh water	140,9 mg/l
	Fresh water sediment	552 mg/kg
	Marine water	140,9 mg/l
	Marine sediment	552 mg/kg
	STP	2251 mg/l
acetone	Soil	29,5 mg/kg
	Fresh water	10,6 mg/l
	Fresh water sediment	30,4 mg/kg
	Marine water	1,06 mg/l
	Marine sediment	3,04 mg/kg

### 8.2 Exposure controls

#### Personal protective equipment

- Eye protection : Wear face-shield and protective suit for abnormal processing problems.
- Hand protection  
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance : liquid
- Colour : silver
- Odour : characteristic

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ULTRASTAR GX-2825 Silver

Version  
2.3

Revision Date:  
19.10.2017

SDS Number:  
102000002455

Print Date: 20.11.2018  
Date of first issue: 16.12.2015

---

Odour Threshold	: No data available
pH	: No data available
Freezing point	: No data available
Boiling point/boiling range	: 76 °C
Flash point	: -4 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Self-ignition	: No data available
Auto-ignition temperature	: No data available
Smoldering temperature	: No data available
Decomposition temperature	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: No data available
Bulk density	: No data available
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Decomposition temperature	: No data available
Viscosity, dynamic	: No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ULTRASTAR GX-2825 Silver

Version	Revision Date:	SDS Number:	Print Date: 20.11.2018
2.3	19.10.2017	102000002455	Date of first issue: 16.12.2015

---

Viscosity, kinematic : No data available

Flow time : No data available

### 9.2 Other information

No data available

---

## 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.

Vapours may form explosive mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

### 10.5 Incompatible materials

### 10.6 Hazardous decomposition products

Contact with water or humid air : This information is not available.

Thermal decomposition : This information is not available.

---

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

#### Components:

#### ethyl acetate:

Acute inhalation toxicity : LC50 (Rat): 56 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rabbit): > 18.000 mg/kg

#### ethanol:

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ULTRASTAR GX-2825 Silver

Version 2.3      Revision Date: 19.10.2017      SDS Number: 102000002455      Print Date: 20.11.2018  
Date of first issue: 16.12.2015

---

Acute oral toxicity : LD50 (Mouse): 3.450 mg/kg

LD50 (Rat): 7.060 mg/kg

LD50 (Rabbit): 6.300 mg/kg

Acute inhalation toxicity : LC50 (Rat): 20.000 mg/l  
Exposure time: 4 h

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg

### **propan-2-ol:**

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

### **1-methoxy-2-propanol:**

Acute oral toxicity : LD50 (Rat): 4.016 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 25,8 mg/l  
Exposure time: 6 h  
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

### **Skin corrosion/irritation**

#### **Product:**

Remarks: May cause skin irritation and/or dermatitis.

#### **Components:**

##### **butyl lactate:**

Remarks: Extremely corrosive and destructive to tissue.

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

#### **Product:**

Result: Eye irritation

Remarks: Eye irritation

#### **Components:**

##### **butyl lactate:**

Remarks: May cause irreversible eye damage.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ULTRASTAR GX-2825 Silver

Version  
2.3

Revision Date:  
19.10.2017

SDS Number:  
102000002455

Print Date: 20.11.2018  
Date of first issue: 16.12.2015

---

### Further information

#### Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Concentrations substantially above the TLV value may cause narcotic effects.

Solvents may degrease the skin.

#### Components:

##### **butyl lactate:**

Remarks: No data available

---

## SECTION 12: Ecological information

### 12.1 Toxicity

No data available

### 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 Other adverse effects

#### Product:

Additional ecological information : No data available

#### Components:

##### **butyl lactate:**

Additional ecological information : No data available

---

## SECTION 13: Disposal considerations

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ULTRASTAR GX-2825 Silver

Version 2.3      Revision Date: 19.10.2017      SDS Number: 102000002455      Print Date: 20.11.2018  
Date of first issue: 16.12.2015

---

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

### 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.  
In accordance with local and national regulations.

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.  
In accordance with local and national regulations.

---

## SECTION 14: Transport information

### 14.1 UN number

ADR : UN 1210  
IMDG : UN 1210  
IATA : UN 1210

### 14.2 UN proper shipping name

ADR : PRINTING INK  
IMDG : PRINTING INK  
IATA : Printing ink

### 14.3 Transport hazard class(es)

ADR : 3  
IMDG : 3  
IATA : 3

### 14.4 Packing group

**ADR**  
Packing group : II  
Classification Code : F1  
Hazard Identification Number : 33  
Labels : 3  
Tunnel restriction code : (D/E)

**IMDG**  
Packing group : II  
Labels : 3  
EmS Code : F-E, S-D

**IATA (Cargo)**  
Packing instruction (cargo) : 364

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ULTRASTAR GX-2825 Silver

Version 2.3      Revision Date: 19.10.2017      SDS Number: 102000002455      Print Date: 20.11.2018  
Date of first issue: 16.12.2015

---

aircraft)  
Packing instruction (LQ) : Y341  
Packing group : II  
Labels : Flammable Liquids

### IATA (Passenger)

Packing instruction : 353  
(passenger aircraft)  
Packing instruction (LQ) : Y341  
Packing group : II  
Labels : Flammable Liquids

### 14.5 Environmental hazards

#### ADR

Environmentally hazardous : no

#### IMDG

Marine pollutant : no

### 14.6 Special precautions for user

Not applicable

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

---

## SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable

### 15.2 Chemical safety assessment

This information is not available.

---

## SECTION 16: Other information

### Full text of H-Statements

H225 : Highly flammable liquid and vapour.  
H226 : Flammable liquid and vapour.  
H228 : Flammable solid.  
H315 : Causes skin irritation.  
H319 : Causes serious eye irritation.  
H336 : May cause drowsiness or dizziness.

### Full text of other abbreviations

Eye Irrit. : Eye irritation  
Flam. Liq. : Flammable liquids  
Flam. Sol. : Flammable solids  
Skin Irrit. : Skin irritation

---



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ULTRASTAR GX-2825 Silver

Version 2.3      Revision Date: 19.10.2017      SDS Number: 102000002455      Print Date: 20.11.2018  
Date of first issue: 16.12.2015

---

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  
2017/164/EU : Commission Directive (EU) 2017/164 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU  
SE AFS : Sweden. Occupational Exposure Limit Values  
2000/39/EC / TWA : Limit Value - eight hours  
2000/39/EC / STEL : Short term exposure limit  
2017/164/EU / STEL : Short term exposure limit  
2017/164/EU / TWA : Limit Value - eight hours  
SE AFS / NGV : Time Weighted Average  
SE AFS / KTV : Short Term Exposure Limit

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; 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; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

The information provided in this 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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ULTRASTAR GX-2825 Silver

Version	Revision Date:	SDS Number:	Print Date: 20.11.2018
2.3	19.10.2017	102000002455	Date of first issue: 16.12.2015

---

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.

SE / EN