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 Gefahrstud 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)
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:
- Prevention:
  - 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.

Response:
- 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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>EC-No.</th>
<th>Classification REGULATION (EC) No 1272/2008</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethyl acetate</td>
<td>141-78-6</td>
<td></td>
<td>Flam. Liq. 2; H225</td>
<td>&gt;= 20 - &lt; 25</td>
</tr>
</tbody>
</table>
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.
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 (CO2)
- 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.
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.
### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

**Occupational Exposure Limits**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Basis (Version Date)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-methoxy-2-propanol</td>
<td>107-98-2</td>
<td>STEL</td>
<td>150 ppm 568 mg/m³</td>
<td>2000/39/EC (2000-06-16)</td>
</tr>
<tr>
<td>Further information</td>
<td></td>
<td></td>
<td>Identifies the possibility of significant uptake through the skin, Indicative</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>100 ppm 375 mg/m³</td>
<td>2000/39/EC (2000-06-16)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NGV</td>
<td>50 ppm 190 mg/m³</td>
<td>SE AFS (2015-11-12)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>KTV</td>
<td>150 ppm 568 mg/m³</td>
<td>SE AFS (2015-11-12)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Further information</td>
<td>Substance can be easily absorbed through the skin.</td>
<td></td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>141-78-6</td>
<td>NGV</td>
<td>150 ppm 500 mg/m³</td>
<td>SE AFS (2015-11-12)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Further information</td>
<td>Indicative short term limit value shall be used as a recommended maximum value and should not be exceeded</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>KTV</td>
<td>300 ppm 1.100 mg/m³</td>
<td>SE AFS (2015-11-12)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Further information</td>
<td>Indicative short term limit value shall be used as a recommended maximum value and should not be exceeded</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>400 ppm 1.468 mg/m³</td>
<td>2017/164/EU (2017-02-01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>200 ppm 734 mg/m³</td>
<td>2017/164/EU (2017-02-01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Further information</td>
<td>Indicative</td>
<td></td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>NGV</td>
<td>500 ppm 1.000 mg/m³</td>
<td>SE AFS (2005-06-13)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NGV</td>
<td>500 ppm 1.000 mg/m³</td>
<td>SE AFS (2015-11-12)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Further information</td>
<td>Indicative short term limit value shall be used as a recommended maximum value and should not be exceeded</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>KTV</td>
<td>1.000 ppm 1.900 mg/m³</td>
<td>SE AFS (2005-06-13)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>KTV</td>
<td>1.000 ppm 1.900 mg/m³</td>
<td>SE AFS (2015-11-12)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Further information</td>
<td>Indicative short term limit value shall be used as a recommended maximum value and should not be exceeded</td>
<td></td>
</tr>
<tr>
<td>Propan-2-ol</td>
<td>67-63-0</td>
<td>NGV</td>
<td>150 ppm 350 mg/m³</td>
<td>SE AFS (2015-11-12)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Further information</td>
<td>Indicative short term limit value shall be used as a recommended maximum value and should not be exceeded</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>KTV</td>
<td>250 ppm 600 mg/m³</td>
<td>SE AFS (2015-11-12)</td>
</tr>
</tbody>
</table>
Further information  Indicative short term limit value shall be used as a recommended maximum value and should not be exceeded

<table>
<thead>
<tr>
<th>Material</th>
<th>NGV</th>
<th>SE AFS (2011-12-16)</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium powder (stabilised)</td>
<td>7429-90-5</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>butyl lactate</td>
<td>34451-19-9</td>
<td>5 ppm 30 mg/m³</td>
</tr>
<tr>
<td>propan-2-ol</td>
<td>67-63-0</td>
<td>150 ppm 350 mg/m³</td>
</tr>
<tr>
<td>acetone</td>
<td>67-64-1</td>
<td>500 ppm 1.210 mg/m³</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Material</th>
<th>NGV</th>
<th>SE AFS (2011-12-16)</th>
</tr>
</thead>
<tbody>
<tr>
<td>butyl lactate</td>
<td>34451-19-9</td>
<td>5 ppm 30 mg/m³</td>
</tr>
<tr>
<td>propan-2-ol</td>
<td>67-63-0</td>
<td>150 ppm 350 mg/m³</td>
</tr>
<tr>
<td>acetone</td>
<td>67-64-1</td>
<td>500 ppm 1.210 mg/m³</td>
</tr>
</tbody>
</table>

Further information  The same limit value expressed in ppm shall be applied to those lactates for which no limit values have been defined.

<table>
<thead>
<tr>
<th>Material</th>
<th>NGV</th>
<th>SE AFS (2011-12-16)</th>
</tr>
</thead>
<tbody>
<tr>
<td>butyl lactate</td>
<td>34451-19-9</td>
<td>5 ppm 30 mg/m³</td>
</tr>
<tr>
<td>propan-2-ol</td>
<td>67-63-0</td>
<td>150 ppm 350 mg/m³</td>
</tr>
<tr>
<td>acetone</td>
<td>67-64-1</td>
<td>500 ppm 1.210 mg/m³</td>
</tr>
<tr>
<td>acetone</td>
<td>67-64-1</td>
<td>500 ppm 1.210 mg/m³</td>
</tr>
</tbody>
</table>

Further information  Indicative

<table>
<thead>
<tr>
<th>Material</th>
<th>NGV</th>
<th>SE AFS (2011-12-16)</th>
</tr>
</thead>
<tbody>
<tr>
<td>butyl lactate</td>
<td>34451-19-9</td>
<td>5 ppm 30 mg/m³</td>
</tr>
<tr>
<td>propan-2-ol</td>
<td>67-63-0</td>
<td>150 ppm 350 mg/m³</td>
</tr>
<tr>
<td>acetone</td>
<td>67-64-1</td>
<td>500 ppm 1.210 mg/m³</td>
</tr>
<tr>
<td>acetone</td>
<td>67-64-1</td>
<td>500 ppm 1.210 mg/m³</td>
</tr>
</tbody>
</table>

Further information  Indicative
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

<table>
<thead>
<tr>
<th>Substance name</th>
<th>End Use</th>
<th>Exposure routes</th>
<th>Potential health effects</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-methoxy-2-propanol</td>
<td>Workers</td>
<td>Inhalation</td>
<td>short term – local effects</td>
<td>553.5 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Skin contact</td>
<td>long term – systemic effects</td>
<td>50.6 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Inhalation</td>
<td>long term – systemic effects</td>
<td>369 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Ingestion</td>
<td>long term – systemic effects</td>
<td>33 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Skin contact</td>
<td>long term – systemic effects</td>
<td>78 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Inhalation</td>
<td>long term – systemic effects</td>
<td>43.9 mg/m3</td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>Workers</td>
<td>Inhalation</td>
<td>short term – local effects</td>
<td>1468 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Inhalation</td>
<td>short term – systemic effects</td>
<td>1468 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Inhalation</td>
<td>long term – local effects</td>
<td>734 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Skin contact</td>
<td>long term – systemic effects</td>
<td>63 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Inhalation</td>
<td>long term – systemic effects</td>
<td>734 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Ingestion</td>
<td>long term – systemic effects</td>
<td>337 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Ingestion</td>
<td>long term – systemic effects</td>
<td>367 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Ingestion</td>
<td>long term – systemic effects</td>
<td>4.5 mg/kg</td>
</tr>
<tr>
<td>Ethanol</td>
<td>Workers</td>
<td>Inhalation</td>
<td>short term – local effects</td>
<td>1900 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Skin contact</td>
<td>long term – systemic effects</td>
<td>343 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Inhalation</td>
<td>long term – systemic effects</td>
<td>950 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Ingestion</td>
<td>long term – systemic effects</td>
<td>950 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Ingestion</td>
<td>long term – systemic effects</td>
<td>87 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Skin contact</td>
<td>long term – systemic effects</td>
<td>206 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Inhalation</td>
<td>long term – systemic effects</td>
<td>114 mg/m3</td>
</tr>
</tbody>
</table>
### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Environmental Compartment</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-methoxy-2-propanol</td>
<td>Fresh water</td>
<td>10 mg/l</td>
</tr>
<tr>
<td></td>
<td>Marine water</td>
<td>1 mg/l</td>
</tr>
<tr>
<td></td>
<td>STP</td>
<td>100 mg/l</td>
</tr>
<tr>
<td></td>
<td>Fresh water sediment</td>
<td>52.3 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Soil</td>
<td>4.59 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Marine sediment</td>
<td>5.2 mg/kg</td>
</tr>
<tr>
<td>ethyl acetate</td>
<td>Soil</td>
<td>0.148 mg/kg</td>
</tr>
<tr>
<td></td>
<td>STP</td>
<td>650 mg/l</td>
</tr>
<tr>
<td></td>
<td>Fresh water</td>
<td>0.24 mg/l</td>
</tr>
<tr>
<td></td>
<td>Marine water</td>
<td>0.024 mg/l</td>
</tr>
<tr>
<td></td>
<td>Fresh water sediment</td>
<td>1.15 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Marine sediment</td>
<td>0.115 mg/kg</td>
</tr>
<tr>
<td>ethanol</td>
<td>Soil</td>
<td>0.63 mg/kg</td>
</tr>
</tbody>
</table>
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
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:
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.
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
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
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

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
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 specific target organ toxicity - single exposure.
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