

## SILVERSHINE S 1500

Version 1.0      Revision Date: 03/21/2018      SDS Number: 102000002377      Date of last issue: -  
Date of first issue: 03/21/2018

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**SECTION 1. IDENTIFICATION**

Product name : SILVERSHINE S 1500

Product code : 053038JD0

**Manufacturer or supplier's details**

Company name of supplier : ECKART GmbH

Address : Guentersthal 4  
Hartenstein 91235

Telephone : +499152770

Telefax : +499152777008

Emergency telephone number : CHEMTREC: 800-424-9300  
CHEMTREC: 1-703-527-3387 (International)

GBK Gefahrgut Buero 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

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**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with the Hazardous Products Regulations**

Flammable liquids : Category 3

Reproductive toxicity : Category 1B

Specific target organ toxicity : Category 3 (Central nervous system)  
- single exposure

**GHS label elements**

Hazard pictograms :



Signal word : Danger

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Hazard statements : H226 Flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.  
H360 May damage fertility or the unborn child.

Precautionary statements : **Prevention:**

|      |  |
|------|--|
| P201 | Obtain special instructions before use.  |
| P202 | Do not handle until all safety precautions have been read and understood.                      |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233 | Keep container tightly closed.   |
| P240 | Ground and bond container and receiving equipment.   |
| P241 | Use explosion-proof electrical/ ventilating/ lighting equipment.                               |
| P242 | Use non-sparking tools.  |
| P243 | Take action to prevent static discharges.  |
| P261 | Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.   |
| P271 | Use only outdoors or in a well-ventilated area.  |
| P280 | Wear protective gloves/ protective clothing/ eye protection/ face protection.                  |

**Response:**

|                    |  |
|--------------------|--|
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.                               |
| P304 + P340 + P312 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. |
| P308 + P313        | IF exposed or concerned: Get medical advice/ attention.  |
| P370 + P378        | In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.                                       |

**Storage:**

|             |  |
|-------------|--|
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P403 + P235 | Store in a well-ventilated place. Keep cool.                     |
| P405        | Store locked up.   |

**Disposal:**

|      |   |
|------|---|
| P501 | Dispose of contents/ container to an approved waste disposal plant. |
|------|---|

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Hazardous components which must be listed on the label:

2-Propanol, 1-methoxy-  
1-Propanol, 2-methoxy-

**Other hazards**

None known.

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

| Chemical name          | CAS-No.   | Concentration (% w/w) |
|------------------------|-----------|-----------------------|
| 2-Propanol, 1-methoxy- | 107-98-2  | >= 70 - < 90          |
| Aluminum               | 7429-90-5 | >= 20 - < 30          |
| 1-Propanol, 2-methoxy- | 1589-47-5 | >= 0.1 - < 1          |

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**SECTION 4. FIRST AID MEASURES**

- General advice : Move the victim to fresh air.  
Do not leave the victim unattended.  
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 : Wash off immediately with soap and plenty of water.  
  
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.  
  
Flush eyes with water as a precaution.  
Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and : May cause drowsiness or dizziness.  
May damage fertility or the unborn child.

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delayed

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**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Dry sand  
Special powder against metal fire
- Unsuitable extinguishing media : ABC powder  
Carbon dioxide (CO<sub>2</sub>)  
Water  
Foam
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- 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.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Evacuate personnel to safe areas.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- 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.
- Methods and materials for containment and cleaning up : Use mechanical handling equipment.  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
  
Contain spillage, and then collect with non-combustible

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absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Do not flush with water.

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**SECTION 7. HANDLING AND STORAGE**

- 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). Keep away from open flames, hot surfaces and sources of ignition.
- Advice on safe handling : Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. 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.
- Conditions for safe storage : 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.
- 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.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid : Do not store near acids.  
Do not store together with oxidizing and self-igniting products.

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Keep away from oxidizing agents and strongly acid or alkaline materials.

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.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Components with workplace control parameters

| Components                   | CAS-No.                            | Value type<br>(Form of exposure) | Control parameters /<br>Permissible concentration | Basis     |                      |           |
|------------------------------|------------------------------------|----------------------------------|---|-----------|----------------------|-----------|
| 2-Propanol, 1-methoxy-       | 107-98-2                           | STEL                             | 150 ppm<br>553 mg/m <sup>3</sup>                  | CA AB OEL |                      |           |
|                              |                                    | TWA                              | 100 ppm<br>369 mg/m <sup>3</sup>                  | CA AB OEL |                      |           |
|                              |                                    | TWA                              | 50 ppm  | CA BC OEL |                      |           |
|                              |                                    | STEL                             | 75 ppm  | CA BC OEL |                      |           |
|                              |                                    | TWAEV                            | 100 ppm<br>369 mg/m <sup>3</sup>                  | CA QC OEL |                      |           |
|                              |                                    | STEV                             | 150 ppm<br>553 mg/m <sup>3</sup>                  | CA QC OEL |                      |           |
|                              |                                    | TWA                              | 50 ppm  | ACGIH     |                      |           |
|                              |                                    | STEL                             | 100 ppm   | ACGIH     |                      |           |
|                              |                                    | Aluminum                         | 7429-90-5   | TWAEV     | 10 mg/m <sup>3</sup> | CA QC OEL |
|                              |                                    |                                  |   | TWA       | 10 mg/m <sup>3</sup> | CA AB OEL |
| TWA<br>(Respirable)          | 1 mg/m <sup>3</sup>                |                                  |   | CA BC OEL |                      |           |
| TWA (Dust)                   | 10 mg/m <sup>3</sup>               |                                  |   | CA AB OEL |                      |           |
| TWAEV                        | 10 mg/m <sup>3</sup>               |                                  |   | CA QC OEL |                      |           |
| TWA<br>(Respirable)          | 1 mg/m <sup>3</sup><br>(Aluminium) |                                  |   | CA BC OEL |                      |           |
| TWAEV<br>(Fumes)             | 5 mg/m <sup>3</sup><br>(Aluminium) |                                  |   | CA QC OEL |                      |           |
| TWA<br>(Respirable fraction) | 1 mg/m <sup>3</sup>                |                                  |   | ACGIH     |                      |           |

# SAFETY DATA SHEET



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|                        |           | TWA<br>(Respirable<br>fraction) | 1 mg/m <sup>3</sup><br>(Aluminium) | ACGIH     |
|------------------------|-----------|---------------------------------|------------------------------------|-----------|
| 1-Propanol, 2-methoxy- | 1589-47-5 | TWA                             | 20 ppm                             | CA BC OEL |
|                        |           | STEL                            | 40 ppm                             | CA BC OEL |

### Personal protective equipment

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

In the case of vapour formation use a respirator with an approved filter.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Goggles  
Tightly fitting safety goggles

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

Hygiene measures : Wash hands before breaks and at the end of workday.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : viscous  
Colour : silver  
Odour : characteristic  
Odour Threshold : No data available  
pH : No data available  
Melting point/freezing point : No data available  
Boiling point/boiling range : 120 °C

Flash point : 35 °C

Evaporation rate : No data available  
Flammability (solid, gas) : No data available  
Upper explosion limit / Upper flammability limit : No data available  
Lower explosion limit / Lower flammability limit : No data available

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Vapour pressure : No data available  
Relative density : No data available  
Density : 1.4 g/cm<sup>3</sup>

Solubility(ies) : No data available  
Partition coefficient: n-octanol/water : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Viscosity : No data available

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : Contact with acids and alkalis may release hydrogen.  
Stable under recommended storage conditions.  
Vapours may form explosive mixture with air.

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

Incompatible materials : Acids  
Bases  
Oxidizing agents

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

Not classified based on available information.

**Components:****2-Propanol, 1-methoxy-:**

Acute oral toxicity : LD50 (Rat): 4,016 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 25.8 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

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

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**Skin corrosion/irritation**

Not classified based on available information.

**Serious eye damage/eye irritation**

Not classified based on available information.

**Respiratory or skin sensitisation**

**Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

May damage fertility or the unborn child.

**STOT - single exposure**

May cause drowsiness or dizziness.

**STOT - repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**Further information**

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Other adverse effects**

No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

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

- UN/ID No. : UN 1263  
Proper shipping name : Paint  
Class : 3  
Packing group : III  
Labels : Flammable Liquids  
Packing instruction (cargo aircraft) : 366  
Packing instruction (passenger aircraft) : 355

**IMDG-Code**

- UN number : UN 1263  
Proper shipping name : PAINT
- Class : 3  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-E  
Marine pollutant : no

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

Not applicable for product as supplied.

**National Regulations****TDG**

- UN number : UN 1263
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|                      |   |       |
|----------------------|---|-------|
| Proper shipping name | : | PAINT |
| Class                | : | 3     |
| Packing group        | : | III   |
| Labels               | : | 3     |
| ERG Code             | : | 128   |
| Marine pollutant     | : | no    |

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**SECTION 15. REGULATORY INFORMATION**

**NPRI Components** : Aluminum

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

|      |   |  |
|------|---|--|
| DSL  | : | All components of this product are on the Canadian DSL |
| TSCA | : | On TSCA Inventory                                      |

**Canadian lists**

No substances are subject to a Significant New Activity Notification.

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

|                    |   |   |
|--------------------|---|---|
| ACGIH              | : | USA. ACGIH Threshold Limit Values (TLV)   |
| CA AB OEL          | : | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)   |
| CA BC OEL          | : | Canada. British Columbia OEL  |
| CA QC OEL          | : | Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |
| ACGIH / TWA        | : | 8-hour, time-weighted average   |
| ACGIH / STEL       | : | Short-term exposure limit   |
| CA AB OEL / TWA    | : | 8-hour Occupational exposure limit  |
| CA AB OEL / STEL   | : | 15-minute occupational exposure limit   |
| CA BC OEL / TWA    | : | 8-hour time weighted average  |
| CA BC OEL / STEL   | : | short-term exposure limit   |
| CA QC OEL / TWA EV | : | Time-weighted average exposure value  |
| CA QC OEL / STEV   | : | Short-term exposure value   |

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); 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; ERG - Emergency Response Guide; GHS -

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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; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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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 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.

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