SAFETY DATA SHEET

VISIONAIRE Sparkling Silver Sea

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : VISIONAIRE Sparkling Silver Sea
Product code : 040966S40

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 Buro 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

GHS Classification
Not a hazardous substance or mixture.

GHS label elements
Not a hazardous substance or mixture.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>&gt;= 90 - &lt;= 100</td>
</tr>
<tr>
<td>Silica</td>
<td>7631-86-9</td>
<td>&gt;= 5 - &lt; 10</td>
</tr>
</tbody>
</table>
SECTION 4. FIRST AID MEASURES

General advice
- Move the victim to fresh air.
- No hazards which require special first aid measures.

If inhaled
- If unconscious, place in recovery position and seek medical advice.
- If symptoms persist, call a physician.

In case of skin contact
- Wash off immediately with soap and plenty of water.

In case of eye contact
- Remove contact lenses.
- If eye irritation persists, consult a specialist.

If swallowed
- Keep respiratory tract clear.
- Do not give milk or alcoholic beverages.
- Never give anything by mouth to an unconscious person.
- If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed
- None known.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media
- Dry sand
- Special powder against metal fire

Unsuitable extinguishing media
- ABC powder
- Carbon dioxide (CO2)
- Water
- Foam

Specific hazards during firefighting
- Contact with water liberates extremely flammable gas (hydrogen).

Specific extinguishing methods
- Standard procedure for chemical fires.
- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

SECTION 6. ACCIDENTAL RELEASE MEASURES
### SAFETY DATA SHEET

**VISIONAIRE Sparkling Silver Sea**

| Personal precautions, protective equipment and emergency procedures | Use personal protective equipment.  
|                                                                      | Evacuate personnel to safe areas.  
|                                                                      | Avoid dust formation.  
| Methods and materials for containment and cleaning up                | Use mechanical handling equipment.  
|                                                                      | Do not use a vacuum cleaner.  
|                                                                      | Pick up and arrange disposal without creating dust.  
|                                                                      | Sweep up and shovel.  
|                                                                      | Do not flush with water.  
|                                                                      | Keep in suitable, closed containers for disposal.  

#### SECTION 7. HANDLING AND STORAGE

**Advice on protection against fire and explosion**  
Use explosion-proof equipment.  
During processing, dust may form explosive mixture in air.  
Take measures to prevent the build up of electrostatic charge.  
When transferring from one container to another apply earthing measures and use conductive hose material.  
Normal measures for preventive fire protection.

**Advice on safe handling**  
Avoid creating dust.  
Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.  
Store away from heat.

For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.

**Hygiene measures**  
General industrial hygiene practice.

**Conditions for safe storage**  
Earthing of containers and apparatuses is essential.  
Reaction with water liberates extremely flammable gas (hydrogen)  
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.

Electrical installations / working materials must comply with the technological safety standards.

**Materials to avoid**  
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: Keep in a dry place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>LMPE-PPT</td>
<td>10 mg/m³</td>
<td>MX OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LMPE-PPT (Dust)</td>
<td>10 mg/m³</td>
<td>MX OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Respirable fraction)</td>
<td>1 mg/m³</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Respirable fraction)</td>
<td>1 mg/m³ (Aluminium)</td>
<td>ACGIH</td>
</tr>
<tr>
<td>Silica</td>
<td>7631-86-9</td>
<td>LMPE-PPT (Respirable)</td>
<td>3 mg/m³</td>
<td>MX OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LMPE-PPT (Inhalable)</td>
<td>10 mg/m³</td>
<td>MX OEL</td>
</tr>
</tbody>
</table>

Personal protective equipment

Respiratory protection: Use suitable breathing protection if workplace concentration requires. Breathing apparatus with filter. P1 filter

Hand protection Material: Leather
Glove length: Long sleeve gloves

Remarks: Leather gloves The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.
Eye protection : Face-shield
                 Safety glasses

Skin and body protection : Anti-static and fire resistant protective clothing. DIN EN 11612; EN 533; EN 1149-1. Anti-static safety shoes.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder
Colour : silver
Odour : odourless
Odour Threshold : No data available
pH : No data available
Melting point/range : 660 °C
Initial boiling point and boiling range : No data available
Flash point : No data available
Evaporation rate : No data available
Flammability (solid, gas) : Combustible Solids

Burning number : 1
Upper explosion limit / Upper flammability limit : No data available
Lower explosion limit / Lower flammability limit : 30 g/m3
Vapour pressure : No data available
Relative density : No data available
Solubility(ies) : No data available
Partition coefficient: n-octanol/water : No data available
Auto-ignition temperature : 340 °C
Decomposition temperature : No data available
Viscosity : No data available

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.
Dust may form explosive mixture in air.

Conditions to avoid:
No data available

Incompatible materials:
Acids
Bases
Oxidizing agents
Water

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity
Not classified based on available information.

Components:
Silica:
Acute oral toxicity:
LD50 (Rat): 5,000 mg/kg
(Mouse): 15,000 mg/kg

Acute inhalation toxicity:
(Rat): 0.139 mg/l
Exposure time: 4 h

Acute dermal toxicity:
LD50 (Rabbit): > 5,000 mg/kg

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
Not classified based on available information.

STOT - single exposure
Not classified based on available information.

STOT - repeated exposure
Not classified based on available information.

Aspiration toxicity
Not classified based on available information.

Further information

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:
Silica:
Toxicity to daphnia and other aquatic invertebrates: (Daphnia (water flea)): 7,600 mg/l
Toxicity to algae: (Chlorella pyrenoidosa (algae)): 440 mg/l

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Other adverse effects
No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues: In accordance with local and national regulations.
Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. In accordance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION

International Regulations
SAFETY DATA SHEET
VISIONAIRE Sparkling Silver Sea

Version 1.0  Revision Date: 03/21/2018  SDS Number: 102000000420  Date of last issue: -  Date of first issue: 03/21/2018

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

National Regulations
Special precautions for user
Remarks : Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture
Federal Law for the control of chemical precursors, essential chemical products and machinery for producing capsules, tablets and pills.

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

SECTION 16. OTHER INFORMATION

Full text of other abbreviations
ACGIH : USA. ACGIH Threshold Limit Values (TLV)
MX OEL : Mexico. Occupational Exposure Limits
ACGIH / TWA : 8-hour, time-weighted average
MX OEL / LMPE-PPT : Time weighted average
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 - 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 -
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