

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 07.05.2010

Revision: 07.05.2010

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** Silverdream Moonlight 50 IL
Silverdream Starlight 70 IL
- **MSDS number:** COSA9
- **Application of the substance / the preparation** Pigment
- **Manufacturer/Supplier:**
ECKART GmbH
Güntersthal 4
D-91235 Hartenstein
- **Further information obtainable from:**
O-SE-RA
Tel. +49 (0)9152 - 77 4492
Angelika.HartlGunselmann@altana.com
- **Information in case of emergency:**
GBK Gefahrgut Büro GmbH, Ingelheim, Germany:
From Outside US: (001) 352-323-3500
(First call in English / Response in your language is possible)
Toll free (US&Canada): 1-800-5355053

2 Hazards identification

- **Hazard description:**
Xi Irritant
F Highly flammable
- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Has a narcotizing effect.
R 11 Highly flammable.
R 36 Irritating to eyes.
R 67 Vapours may cause drowsiness and dizziness.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

EINECS: 231-072-3	aluminium powder, stabilized	F; R 10-15	50-80%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol	Xi, F; R 11-36-67	20-55%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

- **General information:**
Take affected persons out into the fresh air.
Take affected persons out of danger area and lay down.

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- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
If skin irritation continues, consult a doctor.
Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
Dry sand
Special powder for metal fires. Do not use water.
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:**
Carbon dioxide
Water

6 Accidental release measures

- **Person-related safety precautions:**
Keep away from ignition sources.
Avoid formation of dust.
Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.
Remove persons from danger area.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Do not allow to dry out
Ensure adequate ventilation.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Pick up mechanically.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Keep receptacles tightly sealed.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Protect from heat.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:**
Store away from flammable substances.
Do not store together with oxidizing and acidic materials.
Do not store together with alkalis (caustic solutions).
- **Further information about storage conditions:**
Prevent from drying out.
Store in cool, dry conditions in well sealed receptacles.

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Protect from heat and direct sunlight.

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8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Ingredients with limit values that require monitoring at the workplace:**

aluminium powder, stabilized

OES ()	Long-term value: 10*4** mg/m ³ *total inhalable dust **respirable dust
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67-63-0 propan-2-ol

WEL ()	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm
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· **Additional information:** The lists valid during the making were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Respiratory protection:** Suitable respiratory protective device recommended.

· **Protection of hands:**

Leather gloves

Preventive skin protection by use of skin-protecting agents is recommended.

Prior to contact with the waterinsoluble substance / product / preparation apply watersoluble skin-protecting agent (fat-free film former or O/W-emulsions).

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Safety glasses

· **Body protection:** Protective work clothing

9 Physical and chemical properties

· **General Information**

Form:	Pasty
Colour:	Silver-coloured
Odour:	Characteristic

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 82°C

· **Flash point:** 13°C

· **Flammability (solid, gaseous):** Highly flammable.

· **Ignition temperature:** 425°C

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· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	2.0 Vol %
Upper:	12.0 Vol %
· Vapour pressure at 20°C:	43 hPa
· Density:	Not determined.
· Solubility in / Miscibility with water:	Partly soluble.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
 No decomposition if used and stored according to specifications.
 No decomposition if used according to specifications.
- **Materials to be avoided:**
- **Dangerous reactions**
 Reacts with acids, alkalis and oxidizing agents.
 Danger of explosion when dry.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
 The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
 Irritant
 Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

12 Ecological information

- **Additional ecological information:**
- **General notes:**
 Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
 Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation**
 Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue
12 01 04 non-ferrous metal dust and particles

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** 4.1 Flammable solids, self-reactive substances and solid desensitised explosives.
- **Danger code (Kemler):** 40
- **UN-Number:** 1325
- **Packaging group:** II
- **Hazard label** 4.1
- **Description of goods:** 1325 ENTZÜNDBARER ORGANISCHER FESTER STOFF, N.A.G. (Aluminiumpigmentpaste)

- **Maritime transport IMDG:**
- **IMDG Class:** 4.1
- **UN Number:** 1325
- **Label** 4.1
- **Packaging group:** II
- **EMS Number:** F-G,S-G
- **Marine pollutant:** No
- **Proper shipping name:** FLAMMABLE SOLID, ORGANIC, N.O.S. (ALUMINIUM PIGMENT PASTE)

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** 4.1
- **UN/ID Number:** 1325
- **Label** 4.1
- **Packaging group:** II
- **Proper shipping name:** FLAMMABLE SOLID, ORGANIC, N.O.S. (ALUMINIUM PIGMENT PASTE)

15 Regulatory information

- **Labelling according to EU guidelines:**
 The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

- **Code letter and hazard designation of product:**



Xi Irritant
F Highly flammable

- **Risk phrases:**
 - 11 Highly flammable.
 - 36 Irritating to eyes.
 - 67 Vapours may cause drowsiness and dizziness.
- **Safety phrases:**
 - 7/8 Keep container tightly closed and dry.
 - 16 Keep away from sources of ignition - No smoking.
 - 25 Avoid contact with eyes.
 - 29 Do not empty into drains.
 - 33 Take precautionary measures against static discharges.
 - 43 In case of fire, use dry sand. Never use water.

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- **National regulations:**
- **Technical instructions (air):**

Class	Share in %
NK	25-50

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**
 - 10 Flammable.
 - 11 Highly flammable.
 - 15 Contact with water liberates extremely flammable gases.
 - 36 Irritating to eyes.
 - 67 Vapours may cause drowsiness and dizziness.
- **Department issuing MSDS: O-SE-RA Regulatory Affairs**
- **Contact:**
 - Dr. Angelika Hartl-Gunselmann
 - Tel.: ++49 (0) 9152 77 4492
 - FAX: ++49 (0) 9152 77 4499
 - Angelika.HartlGunselmann@altana.com
- *** Data compared to the previous version altered.**

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