

SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Issued date 25 Aug 2008

Product / Trade Name: easyCOAT Silver 2

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

- **Product / Trade name:** easyCOAT SILVER 2
- **Product Code:** easyCOAT SILVER 2
- **Application of the substance:** Screen printing emulsion
- **Supplier:**
Printcolor Asia Company Limited
Room 1630, Corporation Park,
11 On Lai Street, Shatin
Hong Kong
Tel: 852 26868810
Fax: 852 26869006
- **Further information obtainable from:** Printcolor Asia Company Limited
- **Information in case of emergency:** Printcolor Asia Company Limited

2. Hazards identification

- **Hazard description:** Xi Irritant
- **Information concerning particular hazards for human and environment:**
The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 43 May cause sensitization by skin contact.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **GHS label elements**
Exclamation mark Warning
3.4/1 - May cause an allergic skin reaction.
- **Prevention:**
Avoid breathing dust/fume/gas/mist/vapours/spray.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
- **Response:**
IF ON SKIN: Wash with plenty of soap and water.
Specific treatment (see label).
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
- **Disposal:**
Dispose of contents/container in accordance with
local/regional/national/international regulations.

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3. Composition / information on ingredients

- **Chemical characterization**

Description: Mixture of substances listed below with no hazardous additions.

Dangerous components:

Ethoxylated Trimethylol propane Triacrylate Esters	Xi; R 37/38	5 - 15%
Warning: Exclamation mark 3.2/2, 3.8/3		
Aliphatic Urethane Acrylate Oligomer	Xi; R 36/37/38-43	< 10%
Warning: Exclamation mark 3.2/2, 3.3/2A, 3.4.S/1, 3.8/3		

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

4. First-aid measures

- **After inhalation:** Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

5. Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6. Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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Ensure adequate ventilation.

7. Handling and storage

- **Handling:**
- Information for safe handling:
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- Information about fire - and explosion protection:
No special measures required.
- **Storage:**
- Requirements to be met by storerooms and receptacles:
No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.

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:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **Additional information:**
The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**

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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:** Goggles recommended during refilling

9. Physical and chemical properties

- **General Information**
 - **Form:** Fluid
 - **Colour:** According to product specification
 - **Odour:** Characteristic
- **Change in condition**
 - Melting point/Melting range: Undetermined.
 - Boiling point/Boiling range: 100 ° C
- **Flash point:** Not applicable.
- **Self-igniting:** Product is not self igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Vapour pressure:** at 20 °C - 23 hPa
- **Density:** Not determined.
- **Solubility in / Miscibility with water:** Fully miscible.
- **Solvent content:**
 - Organic solvents: 0.0 %
 - Water: 64.1 %
- **Solids content:** 31.4 %

10. Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions:** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products

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known.

11. Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **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
- **Sensitization** · May cause sensitization by skin contact.

12. Ecological information

- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it 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.
- **Un-cleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14. Transport information

- **Land transport ADR/RID (cross-border)**
 - **ADR/RID class:** -

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- **Maritime transport IMDG:**
 - **IMDG Class:** -
 - **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
 - **ICAO/IATA Class:** -
 - **UN "Model Regulation":** -

15. Regulatory information

- **Labeling 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
- **Hazard-determining components of labeling:**
Aliphatic Urethane Acrylate Oligomer
- **Risk phrases:** 43 May cause sensitization by skin contact.
- **Safety phrases:**
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
24/25 Avoid contact with skin and eyes.
37 Wear suitable gloves.
60 This material and its container must be disposed of as hazardous waste.
- **National regulations:**
- **Water hazard class:**
Water hazard class 1 (Self-assessment): slightly hazardous for water.

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**
36/37/38 Irritating to eyes, respiratory system and skin.
37/38 Irritating to respiratory system and skin.
43 May cause sensitization by skin contact.
- **Department issuing MSDS:** Technical Services

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- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Reglement internationale concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

- *** Data compared to the previous version altered.**