



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 04.07.2012

Version number 32

Revision: 04.07.2012

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:**
- **Trade name** ALCHEMY Gold printing inks
- **MSDS no.** 2,954
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Printing inks

- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Hostmann Steinberg GmbH
Bremer Weg 125
D-29223 Celle
Tel. +49-5141591-0
Fax. +49-5141591-202
- **Informing department:**
Product Safety hubergroup.
Contact: Dr. Sebastian Gierisch
Telefon: + 49 89-9003-444
Telefax: + 49 89-9003-505
E-mail: product-safety@mhm.de
- **Emergency telephone number:** During general business hours: Product Safety Division, Extension 220 or 444

SECTION 2: Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
Not a hazardous substance or preparation according to EC-Directives 67/548/EEC or 1999/45/EC.

- **Label elements**
- **Labelling according to EU guidelines:**
Observe the normal safety regulations when handling chemicals
Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.
- **Special labelling of certain preparations:**
Contains Fatty acids, C6-19-branched, cobalt(2+) salts. May produce an allergic reaction.
Safety data sheet available for professional user on request.
- **Other hazards** This information is provided by the present Material Safety Data Sheet.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**
Preparation from organic and inorganic pigments and/or carbon black (not valid for unpigmented systems like printing varnishes), resins, vegetable oils, mineral oils and additives.
Preparation of copper-, zinc-pigments, resins, vegetable oil, mineral oil and additives.
- **Dangerous components:**
CAS: 64741-91-9 Distillates (petroleum), solvent-refined middle; 20 - 30%
EINECS: 265-093-4 Xn R65
R66
- **Additional information** For the wording of the listed risk phrases refer to section 16.

(Contd. on page 2)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 04.07.2012

Version number 32

Revision: 04.07.2012

(Contd. of page 1)

* **SECTION 4: First aid measures**

- **Description of first aid measures**
- **General information** In all cases of doubt, or when symptoms persist, seek medical advice.
- **After inhalation** Remove to fresh air.
- **After skin contact**
Remove contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- **After eye contact**
Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses. Obtain medical attention.
- **After swallowing** Do NOT induce vomiting. Obtain medical attention.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

* **SECTION 5: Firefighting measures**

- **Extinguishing media**
- **Suitable extinguishing agents**
Alcohol resistant foam, CO₂, powders, water spray, if applied under high pressure. For metallic inks: Metal fire extinguishing powder or dry sand.
- **For safety reasons unsuitable extinguishing agents** Water jet.
- **Special hazards arising from the substance or mixture**
Appropriate breathing apparatus may be required.
Cool closed containers exposed to fire with water.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information** Collect run-off from fire fighting.

* **SECTION 6: Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures** Ventilate the area.
- **Environmental precautions:**
Do not allow to enter drains. If the product contaminates rivers and lakes or sewers inform respective authorities.
- **Methods and material for containment and cleaning up:**
Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local regulations. Clean preferably with a detergent. Avoid use of solvents.
- **Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

(Contd. on page 3)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 04.07.2012

Version number 32

Revision: 04.07.2012

(Contd. of page 2)

* **SECTION 7: Handling and storage**

· **Handling**

· **Precautions for safe handling**

Avoid inhalation of vapour. Smoking, eating and drinking should be prohibited in application area. For personal protection see Section 8. Comply with health and safety at work laws. Avoid concentrations higher than the occupational exposure limits (see Section 8), if applicable.

· **Conditions for safe storage, including any incompatibilities**

· **Storage**

· **Requirements to be met by storerooms and containers:**

Keep container tightly closed. No smoking.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

· **Further information about storage conditions:**

Always keep in containers of the same material as the original one. Store in a dry, well ventilated place. Keep away from heat and direct sunlight. Store in accordance with the particular national regulations concerning water pollution.

· **Specific end use(s)** No further relevant information available.

* **SECTION 8: Exposure controls/personal protection**

· **Additional information about design of technical systems:**

If relevant apply technical measures to comply with the occupational exposure limits. This can be achieved by a good general extraction and - if practically feasible - by the use of a local exhaust ventilation.

· **Exposure controls**

· **Personal protective equipment**

· **Breathing equipment:** Not necessary if room is well ventilated.

· **Protection of hands:**

For prolonged or repeated contact use gloves.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves**

Applicable for example are gloves of KCL GmbH, D 36124 Eichenzell, e-mail: vertrieb@kcl.de with following specification (Laboratory test according EN 374)

Recommend protective glove:

Article / Name /Material / Thickness Material / Breakthrough Time Remarks

Nr. 730/ Camatril Velours / Nitril / 0,4 mm Level 6 > 480 min. by full contact

Nr. 743/ Dermatril / Nitril / 0,2 mm Level 2 > 30 min. by splash contact

This recommendation is only for the product delivered by us and its intended purpose.

· **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:** Use safety eyewear designed to protect against splash of liquids.

· **Body protection:**

All parts of the skin should be washed after contact.

Working clothes must not consist of textiles which show a dangerous melting behaviour in case of fire.

(Contd. on page 4)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 04.07.2012

Version number 32

Revision: 04.07.2012

(Contd. of page 3)

SECTION 9: Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: liquid
Colour: according to the tradename of the product

· **Smell:** characteristic

· **Odour threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range: not determined

Boiling point/Boiling range: 280 °C
> 200 °C
> 100 °C

· **Flash point:**

· **Inflammability (solid, gaseous)** Not applicable.

· **Ignition temperature:** 200 °C

· **Decomposition temperature:** Not determined.

· **Self-inflammability:** Not determined.

· **Danger of explosion:** Not determined.

· **Critical values for explosion:**

Lower: approx. 0.6 Vol %

Upper: approx. 7.0 Vol %

· **Vapour pressure at 20 °C:** 0.1 hPa
at 20 °C < 0,1 hPa

· **Density**

Relative density Not determined.

Vapour density Not determined.

Evaporation rate Not determined.

· **Solubility in / Miscibility with**

Water: partly or not miscible

· **Segregation coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

dynamic: Not determined.

kinematic: Not determined.

Organic solvents: < 0.06 %

Water: < 0.06 %

· **Other information** No further relevant information available.

SECTION 10: Stability and reactivity

· **Reactivity**

· **Chemical stability**

· **Thermal decomposition / conditions to be avoided:**

Stable under recommended storage and handling conditions (see section 7).

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:**

Keep well away from oxidising agents and strongly alkaline or strongly acid materials in order to avoid exothermic reactions.

(Contd. on page 5)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 04.07.2012

Version number 32

Revision: 04.07.2012

(Contd. of page 4)

· **Hazardous decomposition products:**

Exposition to high temperatures may produce hazardous decomposition products such as: carbon dioxide, carbon monoxide and smoke.

* **SECTION 11: Toxicological information**

The Preparation is classified according to the conventional method (calculation method of the EC-directive 1999/45/EC). Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in skin dryness. The product may be absorbed through the skin.

The liquid splashed in the eyes may cause irritation and reversible damage.

· **Information on toxicological effects**

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

64741-91-9 Distillates (petroleum), solvent-refined middle;

Oral LD50 2001 mg/kg (RATTE)

* **SECTION 12: Ecological information**

The Product should not be allowed to enter drains of water courses or soil.

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Behaviour in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

* **SECTION 13: Disposal considerations**

· **Waste treatment methods**

· **Recommendation** Do not allow to enter drains.

· **European waste catalogue** 08 03 13: waste ink other than those mentioned in 08 03 12

· **Uncleaned packagings:** Waste

· **Recommendation:**

Emptied containers should be disposed off into scrap recycling or reconditioning respectively.

Not orderly emptied cans and ink remnants are special waste.

* **SECTION 14: Transport information**

Not classified according to transport regulations for dangerous goods (like ADR/RID, IMDG and ICAO/IATA).

· **UN-Number**

· **ADR, ADN, IMDG, IATA** -

· **UN proper shipping name**

· **ADR, ADN, IMDG, IATA** -

· **Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA** -

· **Class** -

(Contd. on page 6)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 04.07.2012

Version number 32

Revision: 04.07.2012

(Contd. of page 5)

- **Packing group**
- **ADR, IMDG, IATA** -
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

* **SECTION 15: Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **VOC-Content (EU):** 0.00 %
- **Swiss VOC-Regulation** 0.00 %
- **Mal-Code** 1-1
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* **SECTION 16: Other information**

The information on this Safety Data Sheet is based on the present state of our knowledge and on current EU and national laws. The user's working conditions are beyond our knowledge and control. It is always the responsibility of the user to take all necessary steps in order to fulfil the demands laid down in the local rules and legislation. The information in this Safety Data Sheet is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the product's properties.

- **Relevant phrases**
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.