

Material Safety Data Sheet
According to 91/155 EEC

Printing date 07.06.2006

Reviewed on 07.06.2006

*	<p>1 Identification of substance:</p> <ul style="list-style-type: none"> • Product details: • Trade name: <u>MDC Cupro Ballard</u> • Article number: 15670 • Application of the substance / the preparation Electroplating auxiliary • Manufacturer/Supplier: MDC Max Daetwyler AG Flugplatz CH-3368 Bleienbach Phone ++ 41 (0) 62 919 37 37 Fax ++ 41 (0) 62 919 34 00 mdc@daetwyler-graphics.ch • Emergency information: Swiss Toxicological Information Centre CH-8030 ZÜRICH Tel.: +41 (0)1 251 51 51 National emergency call: 145
*	<p>2 Composition/Data on components:</p> <ul style="list-style-type: none"> • Chemical characterization • Description: Mixture of the substances listed below with nonhazardous additions. • Dangerous components: <hr/> <p>CAS: 59-50-7 chlorocresol < 2.5% EINECS: 200-431-6 Xn, N; R 21/22-41-43-50</p>
*	<p>3 Hazards identification</p> <ul style="list-style-type: none"> • Hazard description: not applicable • Information pertaining to particular dangers for man and environment The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. • Classification system The classification was made according to the latest editions of the EU-lists, and expanded upon fom company and literature data.
	<p>4 First aid measures</p> <ul style="list-style-type: none"> • After inhalation Supply fresh air; consult doctor in case of complaints. • After skin contact Immediately wash with water and soap and rinse thoroughly. • After eye contact Rinse opened eye for 15 minutes under running water. • After swallowing If symptoms persist consult doctor.
	<p>5 Fire fighting measures</p> <ul style="list-style-type: none"> • Suitable extinguishing agents Use fire fighting measures that suit the environment.
	<p>6 Accidental release measures</p> <ul style="list-style-type: none"> • Person-related safety precautions: Not required. • Measures for environmental protection: Do not allow to enter sewers/ surface or ground water. • Measures for cleaning/collecting: Pick up mechanically.
	<p>7 Handling and storage</p> <ul style="list-style-type: none"> • Handling • Information for safe handling: No special measures required.

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- **Information about protection against explosions and fires:**
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:**
Protect from humidity and water.
This product is hygroscopic.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:**
No further data; see item 7.
- **Components 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 that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures should be adhered to when handling chemicals.
- **Breathing equipment:** Not required.
- **Protection of hands:** Protective gloves.
- **Eye protection:** Not required.

9 Physical and chemical properties:

- **General Information**

Form:	solid
Colour:	white
Odour:	weak
- **Change in condition**

Melting point/Melting range:	undetermined
Boiling point/Boiling range:	undetermined
- **Flash point:** not applicable
- **Self igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density:** not determined
- **Solubility in / Miscibility with Water:** soluble
- **Solvent content:**

Organic solvents:	0.0 %
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10 Stability and reactivity

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

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11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitising effects known.
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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**
Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **Transport/Additional information:**
Transport Emergency Card (Road):
Number: -

15 Regulations

- **Markings according to EU guidelines:**
Observe the general safety regulations when handling chemicals
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).
- **Special labelling of certain preparations:**
Contains chlorocresol. May produce an allergic reaction.
Safety data sheet available for professional user on request.
- **National regulations**
Swiss Legislation:
BAGT-Nr./BAG-EDV-Nr. : 601084
class of toxicity : 4

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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**

21/22 Harmful in contact with skin and if swallowed.

41 Risk of serious damage to eyes.

43 May cause sensitisation by skin contact.

50 Very toxic to aquatic organisms.

• **Department issuing MSDS: Galvanotechnik**• *** Data compared to the previous version altered.**

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