

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Trade name: Chrome Replica solution

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Metal Finishing Chemical.

Uses advised against: All other uses.

1.3 Details of the supplier of the Safety Data Sheet

Goldgenie
Wenta Business Centre
1 Electric Avenue
London, EN3 7XU

Phone: +44 208 804 6200

Website: www.goldgenie.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]:

Carcinogenicity (chapter 3.6), Cat. 1B

Acute toxicity, oral (chapter 3.1), Cat. 4

Sensitization, respiratory (chapter 3.4), Cat. 1

Sensitization, skin (chapter 3.4), Cat. 1

Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 1

Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 1

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]:



Signal word: Danger

Hazard Statements:

H350 May cause cancer

H302 Harmful if swallowed

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H317 May cause an allergic skin reaction

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

Precautionary statements:

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P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P405 Store locked up.
 P501 Dispose of contents/container to ...
 P264 Wash ... thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell,
 P330 Rinse mouth.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P284 [In case of inadequate ventilation] wear respiratory protection.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P302+P352 IF ON SKIN: Wash with plenty of water/...
 P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.
 P321 Specific treatment (see ... on this label).
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P273 Avoid release to the environment.
 P391 Collect spillage.

2.3 Other hazards

None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture meeting the criteria for classification in accordance with Regulation (EC) No. 1272/2008.

Hazardous ingredients:

Name	CAS No.	GHS classification	% (w/v)
COBALT SULFATE HEPTAHYDRATE	10026-24-1	Acute Tox. 4, H302 Skin Sens. 1, H317 Resp Sens. 1, H334 Carc. 1B, 350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	70 – 80
Cobalt (II) chloride	7646-79-9	Acute Tox. 4, H302 Skin Sens. 1, H317 Resp Sens. 1, H334 Carc. 1B, 350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	20 – 30
Boric acid	11113-50-1	Resp Sens. 1, H334	5 – 10

The exact percentages (concentration) of composition have been withheld as a trade secret.

Additional information:

For the full text of the H-statements mentioned in this section, see Section 16.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

Following inhalation: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Following skin contact: Wash immediately with plenty of soap and water. If skin irritation or rash occurs: Get medical advice.

Following eye contact: Immediately flush eyes with copious amounts of water for at least 15 minutes. Check for contact lenses and remove if present and easy to do so. Keep on flushing the eyes. If eye irritation occurs, seek medical advice.

Following ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Protection of first aider: Not applicable.

4.2 Most important symptoms and effects

Symptoms: The known symptoms and effects are described in section 2.2 of this SDS.

Risks: Untreated symptoms may result in additional health risks.

4.3 Indication of any immediate medical and special treatment

The physician may contact the national poison centre for advice.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media: Dry chemical, CO₂, water spray or alcohol-resistant foam.

Unsuitable extinguishing media: No data available.

5.2 Specific hazards arising from mixture

In combustion emits toxic fumes.

5.3 Advice for fire fighters**Special protective equipment for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

5.4 Other information

No other information available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 NOTES FOR NON-EMERGENCY PERSONNEL: Wear PPE described in section 8.

6.2 Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Notes for those trained to participate in an emergency:

6.3 ACCIDENTAL RELEASE MEASURES: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

Recommendations for personal protective equipment selection are noted above. Dispose in accordance with section 13 of this document.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid dust formation, dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place.

Incompatible materials: See section 10.

7.3 Specific end uses

See section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

Control parameters according to the local regulations should be taken into account.

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8.2 Exposure controls

Engineering controls:

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal Protective equipment:

Hand: Wear protective gloves

Body protection: Impervious clothing.

Eye: Depending on the use of this product splash or safety glasses may be worn in an industrial setting.

Respiratory: In the case of respirable dust and/or fumes, use self-contained breathing apparatus.

Other measures: No statement available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	Purple
Odor:	Odorless
Odor threshold:	No data available
pH:	No data available
Melting point/range:	No data available
Boiling point/range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative Density:	No data available
Solubility(ies):	No data available
Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

In case of fire: see section 5.2

Oxides of sulfur.

SECTION 11: TOXICOLOGICAL INFORMATION

General information:

This product does not contain known human carcinogens.

11.1 Information on toxicological effects

Acute Toxicity:

Oral LD50: 424mg/kg (Rat).

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitization:

Irritating to skin. May cause dermatitis with repeated exposures.

Germ cell mutagenicity:

No statements available for any of the ingredients.

Carcinogenicity:

Cancer Hazard (IARC).

Reproductive toxicity:

No statements available for any of the ingredients.

STOT – single exposure:

No statements available for any of the ingredients.

STOT – repeated exposure:

May Cause Dermatitis.

Aspiration hazard:

No statements available for any of the ingredients.

Likely route(s) of exposure:

Skin exposure and eye exposure are the most likely to occur. Accidental ingestion is also possible.

SECTION 12: ECOLOGICAL INFORMATION**General information:**

No statements available for any of the ingredients.

12.1 Toxicity

No statements available for any of the ingredients.

12.2 Persistence and degradability**Physical- and photochemical elimination:**

No statements available for any of the ingredients.

Biodegradation:

No statements available for any of the ingredients.

12.3 Bioaccumulative potential

No statements available for any of the ingredients.

12.4 Mobility in soil**Known/Predicted environmental distribution:**

No statements available for any of the ingredients.

Surface tension:

No statements available for any of the ingredients.

Adsorption/Desorption:

No statements available for any of the ingredients.

12.5 Results of PBT and vPvB assessment

This product does not contain components which are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No statements available for any of the ingredients.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Product:**

Can be disposed of with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. Smaller quantities can be disposed of with household waste.

Waste material:

Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION**14.1 UN number**

ADR/RID/IDMG/IATA: Non-regulated

14.2 UN proper shipping name

ADR/RID/IDMG/IATA: Non-regulated

14.3 Transport hazard class(es)

ADR/RID/IDMG/IATA: Non-regulated

14.4 Packing group

ADR/RID/IDMG/IATA: Non-regulated

14.5 Environmental hazards

ADR/RID/IDMG/IATA: Non-regulated

14.6 Special precautions for user

No statements available.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable, as product is not shipped in bulk.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

No restrictions applicable, according to appendix XVII of REACH.

15.2 Chemical safety assessment

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No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION

Complete text of Globally Harmonized System of Classification and Labelling of Chemicals hazard statements as listed in section 3:

H350 - May cause cancer.

H302 - Harmful if swallowed.

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 - May cause an allergic skin reaction.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

Further information

The information presented in this Safety Data Sheet (SDS) is accurate to the best of our knowledge at the date of publication. The information given within the SDS is meant solely as a guide for safe handling, use, transportation, processing, storage, release and disposal. In no means can the information within the SDS be considered as a warranty or specification for quality.