

Safety Data Sheet Bronze Dye

SECTION 1: Identification

1.1 Product identifier

Product name	Bronze Dye
Product number	DYEBZ
Brand	Caswell

1.4 Supplier's details

Name	Caswell Inc
Address	7696 Route 31 Lyons, NY 14489 USA
Telephone	315 946 1213
Fax	315 946 4456
email	sales@caswellplating.com

1.5 Emergency phone number(s)

Office Hours (9-4ET): 315 946 1213
24 Hour: CHEMTEL US# 1-800-255-3924 Intl# +01-813-248-0585

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)
- Acute toxicity, oral (chapter 3.1), Cat. 4

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)
H302

Harmful if swallowed

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Precautionary statement(s)

P264

P270

P301+P312

P330

P501

Wash ... thoroughly after handling.

Do not eat, drink or smoke when using this product.

IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell,

Rinse mouth.

Dispose of contents/container to ...

SECTION 3: Composition/information on ingredients

3.1 Substances

Hazardous components

1. CHROMIUM

Concentration

2 - 3 %

CAS no.

7440-47-3

Trade secret statement (OSHA 1910.1200(i))

In accordance with paragraph (i) of ss. 1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Rinse with plenty of water. Get medical attention if irritation develops and persists.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

Personal protective equipment for first-aid responders

Refer to section 8

4.2 Most important symptoms/effects, acute and delayed

not established

4.3 Indication of immediate medical attention and special treatment needed, if necessary

not established

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Any available

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5.2 Specific hazards arising from the chemical
not established

5.3 Special protective actions for fire-fighters
Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation. Use personal protective equipment. For personal protection see section 8.

6.2 Environmental precautions
Avoid release to environment

6.3 Methods and materials for containment and cleaning up
SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.2 Conditions for safe storage, including any incompatibilities
not established

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Chromium (II) compounds (as Cr) (CAS: 7440-47-3)

PEL (Inhalation): 0.5 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

2. Chromium (II) compounds (as Cr) (CAS: 7440-47-3)

PEL (Inhalation): 0.5 mg/m³ (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

3. Chromium (II) compounds (as Cr) (CAS: 7440-47-3)

REL (Inhalation): 0.5 mg/m³, See Appendix C (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

4. Chromium (III) compounds (as Cr) (CAS: 7440-47-3)

PEL (Inhalation): 0.5 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

5. Chromium (III) compounds (as Cr) (CAS: 7440-47-3)

PEL (Inhalation): 0.5 mg/m³ (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

6. Chromium (III) compounds (as Cr) (CAS: 7440-47-3)

REL (Inhalation): 0.5 mg/m³, See Appendix C (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

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7. Chromium metal and insol. salts (as Cr) (CAS: 7440-47-3)

PEL (Inhalation): 1 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

8. Chromium metal and insol. salts (as Cr) (CAS: 7440-47-3)

PEL (Inhalation): 0.5 mg/m³ (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

9. Chromium metal and insol. salts (as Cr) (CAS: 7440-47-3)

REL (Inhalation): 0.5 mg/m³, See Appendix C (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls

General industrial hygiene practice.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Wear chemical resistant gloves and clothing.

Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Thermal hazards

not established

Environmental exposure controls

not established

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Black Liquid
Odor	None
Odor threshold	not established
pH	4
Melting point/freezing point	not established
Initial boiling point and boiling range	not established
Flash point	not established

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Evaporation rate	not established
Flammability (solid, gas)	not established
Upper/lower flammability limits	not established
Vapor pressure	not established
Vapor density	not established
Relative density	not established
Solubility(ies)	Water
Partition coefficient: n-octanol/water	not established
Auto-ignition temperature	not established
Decomposition temperature	not established
Viscosity	not established
Explosive properties	not established
Oxidizing properties	not established

SECTION 10: Stability and reactivity

10.1 Reactivity

Not reactive

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

not established

10.4 Conditions to avoid

not established

10.5 Incompatible materials

not established

10.6 Hazardous decomposition products

not established

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

LD50: 4,400 mg/kg (rat)

Skin corrosion/irritation

not established

Serious eye damage/irritation

not established

Respiratory or skin sensitization

not established

Germ cell mutagenicity

not established

Carcinogenicity

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not established

Reproductive toxicity

not established

STOT-single exposure

not established

STOT-repeated exposure

not established

Aspiration hazard

not established

SECTION 12: Ecological information

Toxicity

not established

Persistence and degradability

not established

Bioaccumulative potential

not established

Mobility in soil

not established

SECTION 13: Disposal considerations

Disposal of the product

Consult appropriate federal and local regulations for disposal. Empty containers are subject to the same regulations.

Disposal of contaminated packaging

Consult appropriate federal and local regulations for disposal. Empty containers are subject to the same regulations.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components

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Chemical name: Chromium
CAS number: 7440-47-3

New Jersey Right To Know Components

Common name: CHROMIUM
CAS number: 7440-47-3

Pennsylvania Right To Know Components

Chemical name: Chromium
CAS number: 7440-47-3

HMIS Rating

Bronze Dye	
HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	G

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

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