



CASWELL INC

## Safety Data Sheet Black Chromate Part B

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### SECTION 1: Identification

#### 1.1 Product identifier

Product name Black Chromate Part B

Product number A865-B

#### 1.2 Other means of identification

Clear Solution

#### 1.3 Recommended use of the chemical and restrictions on use

Rust Preventative Coating For Zinc and Pot Metal

#### 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

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### SECTION 2: Hazard identification

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

#### 2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

#### 2.3 Other hazards which do not result in classification

# Safety Data Sheet

## Black Chromate Part B

Not a hazardous substance or mixture.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Hazardous components

##### 1. WATER OR OTHER NON-REPORTABLE INGREDIENTS

Concentration	98 % (Volume)
CAS no.	7732-18-5

##### 2. Silver

Concentration	< 2 %
CAS no.	7440-22-4

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### SECTION 4: First-aid measures

#### 4.1 Description of necessary first-aid measures

General advice	Avoid all contact. Read this SDS completely before use. Wear protective gear. Use extreme caution when handling.
If inhaled	Remove to fresh air. Give artificial respiration if not breathing. Get immediate medical attention
In case of skin contact	Immediately flush skin with lots of running water for 15 minutes. Remove contaminated clothing and shoes. Wash before reuse. Get immediate medical attention.
In case of eye contact	Immediately flush eyes with lots of running water for 15 minutes, lifting the upper and lower eye lids occasionally. Get immediate medical attention.
If swallowed	Have patient drink several glasses of water and then induce vomiting. Never give anything to an unconscious person. Contact physician immediately

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### SECTION 5: Fire-fighting measures

#### 5.1 Suitable extinguishing media

Water or dry chemical as appropriate for combustibles in area

#### 5.3 Special protective actions for fire-fighters

Fire fighters should wear self-contained breathing apparatus and full protective clothing.

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Wear acid resistant gloves, rubber boots, respirator (NIOSH approved) and eye protection. For small spills, mop or wipe up and dispose of in DOT approved waste container. For large spills contain by soil or absorbent material. Treat spill area with a reducing agent to convert hexavalent chrome to trivalent chrome. Neutralize with a weak base. Keep non-neutralized material out of sewers and surface waters. Comply with regulations for spill reporting.

# Safety Data Sheet

## Black Chromate Part B

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Keep in a closed container in a dry well-ventilated area away from incompatible materials. Wash thoroughly after handling. Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings on containers as if they were full.

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

**1. SILVER (CAS: 7440-22-4 EC: 231-131-3)**

PEL-TWA (Inhalation): 0.01 mg/m<sup>3</sup> (OSHA)

USA. Occupational Exposure Limits

(OSHA) - Table Z-1 Limits for Air

Contaminants

**2. SILVER (CAS: 7440-22-4 EC: 231-131-4)**

PEL-TWA (Inhalation): 0.1 mg/m<sup>3</sup> (ACGIH)

USA. ACGIH Threshold Limit Values

(TLV)

**3. Silver, metal and soluble compounds (as Ag) (CAS: 7440-22-4)**

PEL (Inhalation): 0.01 mg/m<sup>3</sup> (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

**4. Silver, metal and soluble compounds (as Ag) (CAS: 7440-22-4)**

PEL (Inhalation): 0.01 mg/m<sup>3</sup> (Cal/OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

**5. Silver, metal and soluble compounds (as Ag) (CAS: 7440-22-4)**

REL (Inhalation): 0.01 mg/m<sup>3</sup> (NIOSH)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 8.2 Appropriate engineering controls

Use with adequate ventilation.

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

##### Pictograms



##### Eye/face protection

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

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### Body protection

# Safety Data Sheet

## Black Chromate Part B

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

### Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Clear Liquid
Odor	Odorless
Odor threshold	
pH	5.5-5.7
Melting point/freezing point	
Initial boiling point and boiling range	220 deg F
Flash point	
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	
Vapor density	equal to water
Relative density	1.01
Solubility(ies)	Complete In Water
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

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## SECTION 10: Stability and reactivity

### 10.2 Chemical stability

Stable

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not available

#### Skin corrosion/irritation

Not available

#### Serious eye damage/irritation

Not available

# Safety Data Sheet

## Black Chromate Part B

### Carcinogenicity

Not available

### Reproductive toxicity

Not available

### STOT-single exposure

Not available

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## SECTION 12: Ecological information

### Toxicity

Not available

### Other adverse effects

Not available

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## 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

Dispose of as unused product.

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## SECTION 14: Transport information

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

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## SECTION 15: Regulatory information

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

#### Massachusetts Right To Know Components

Chemical name: Silver

CAS number: 7440-22-4

#### New Jersey Right To Know Components

Common name: SILVER

CAS number: 7440-22-4

#### Pennsylvania Right To Know Components

Chemical name: Silver

CAS number: 7440-22-4

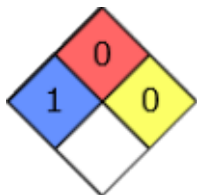
### HMIS Rating

Black Chromate Part B
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## Safety Data Sheet Black Chromate Part B

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C

### NFPA Rating



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## SECTION 16: Other information

### 16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Caswell Inc be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Caswell Inc has been advised of the possibility of such damages.