

Safety Data Sheet Chrome Catalyst/Activator

SECTION 1: Identification

1.1 Product identifier

Product name	Chrome Catalyst/Activator
Product number	DCCAT
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

Supplied in Australia by
Caswell Australia
Factory 1
51 ELM PARK DRIVE
HOPPERS CROSSING
VICTORIA 3029

Ph 03 9741 7103

EMERGENCY 000

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

- Acute toxicity, inhalation (chapter 3.1), Cat. 5
- Skin corrosion/irritation (chapter 3.2), Cat. 3
- Eye damage/irritation (chapter 3.3), Cat. 2B
- Corrosive to metals (chapter 2.16), Cat. 1

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Danger

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Hazard statement(s)

H333	May be harmful if inhaled
H316	Causes mild skin irritation
H320	Causes eye irritation
H290	May be corrosive to metals

Precautionary statement(s)

P304+P312	IF INHALED: Call a POISON CENTER/doctor/.../if you feel unwell.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P264	Wash ... thoroughly after handling.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P234	Keep only in original container.
P390	Absorb spillage to prevent material damage.
P406	Store in a corrosive resistant/... container with a resistant inner liner.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Sulfuric acid (<10%)

Concentration	1 - 5 %
EC no.	231-639-5
CAS no.	7664-93-9
Index no.	016-020-00-8

- Skin corrosion/irritation (chapter 3.2), Cat. 1A

H314	Causes severe skin burns and eye damage
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2. WATER OR OTHER NON-REPORTABLE INGREDIENTS

Concentration	5 - 99 %
CAS no.	7732-18-5

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Avoid all contact. Corrosive to skin & eyes.
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.

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In case of eye contact

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

If swallowed

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

Personal protective equipment for first-aid responders

Refer to section 8

4.2 Most important symptoms/effects, acute and delayed

n/a

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

n/a

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the chemical

n/a

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

n/a

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Refer to section 8 for PPE

6.2 Environmental precautions

Do not let product enter drains.

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.

Reference to other sections

n/a

SECTION 7: Handling and storage

7.1 Precautions for safe handling

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Read SDS before use. Refer to section 8 for PPE. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

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

Specific end use(s)

Hexavalent Chrome Plating Additive. No other use is advised.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Sulfuric acid (<10%) (CAS: 7664-93-9 EC: 231-639-5)

PEL-TWA (Oral): 1mg/m³ (OSHA)

8.2 Appropriate engineering controls

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

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

Pictograms



Eye/face protection

Tightly fitting safety goggles. Faceshield (8-inch minimum). 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

n/a

Environmental exposure controls

n/a

SECTION 9: Physical and chemical properties

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Information on basic physical and chemical properties

Appearance/form	Clear Liquid
Odor	Slight Acidic
Odor threshold	
pH	ne
Melting point/freezing point	ne
Initial boiling point and boiling range	ne
Flash point	
Evaporation rate	ne
Flammability (solid, gas)	Not Flammable
Upper/lower flammability limits	
Vapor pressure	ne
Vapor density	ne
Relative density	ne
Solubility(ies)	Complete In Water
Partition coefficient: n-octanol/water	ne
Auto-ignition temperature	
Decomposition temperature	ne
Viscosity	ne
Explosive properties	
Oxidizing properties	

SECTION 10: Stability and reactivity

10.1 Reactivity

Not Reactive

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid

Avoid contact with incompatible materials

10.5 Incompatible materials

Strong Oxidizers

10.6 Hazardous decomposition products

None

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

no data available

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Skin corrosion/irritation

no data available

Serious eye damage/irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

Not a known carcinogen

Reproductive toxicity

no data available

Summary of evaluation of the CMR properties

no data available

STOT-single exposure

no data available

STOT-repeated exposure

no data available

Aspiration hazard

no data available

SECTION 12: Ecological information

Toxicity

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

Results of PBT and vPvB assessment

no data available

SECTION 13: Disposal considerations

Disposal of the product

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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.

Waste treatment

n/a

Sewage disposal

n/a

SECTION 14: Transport information

DOT (US)

UN Number: UN2796

Class: 8

Packing Group: II

Proper Shipping Name: Sulfuric Acid Solution

Reportable quantity (RQ):

Marine pollutant:

Poison inhalation hazard:

Small Quantities May Be Shipped as a LTD QTY by Ground

IMDG

UN Number: UN2976

Class: 8

Packing Group: II

EMS Number:

Proper Shipping Name: Sulfuric Acid Solution

IATA

UN Number: UN2976

Class: 8

Packing Group: II

Proper Shipping Name: Sulfuric Acid Solution

SECTION 15: Regulatory information

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

Massachusetts Right To Know Components

Chemical name: Sulfuric acid

CAS number: 7664-93-9

New Jersey Right To Know Components

Common name: SULFURIC ACID

CAS number: 7664-93-9

Pennsylvania Right To Know Components

Chemical name: Sulfuric acid

CAS number: 7664-93-9

California Prop. 65 components

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Chemical name: Sulfuric acid (<10%)

CAS number: 7664-93-9

03/14/2003 - Cancer

HMIS Rating

Chrome Catalyst/Activator	
HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

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