

**Safety Data Sheet
Flash Copper Part C**

SECTION 1: Identification

1.1 Product identifier

Product name	Flash Copper Part C
Product number	FLSC
Brand	Caswell

1.4 Supplier's details

Name	Caswell Inc	PRODUCT SUPPLIED IN AUSTRALIA BY
Address	7696 Route 31 Lyons, NY 14489 USA	CASWELL AUSTRALIA P/L 1 / 51 ELM PARK DRIVE HOPPERS CROSSING 3029 VICTORIA
Telephone	315 946 1213	PHONE 03 9741 7103
Fax	315 946 4456	
email	sales@caswellplating.com	EMERGENCY 0 0 0

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

- Skin corrosion/irritation (chapter 3.2), Cat. 1
- Eye damage/irritation (chapter 3.3), Cat. 1

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H303	May be harmful if swallowed
H320	Causes eye irritation
H314	Causes severe skin burns and eye damage

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H318 Causes serious eye damage

Precautionary statement(s)

P312	Call a POISON CENTER/doctor/... if you feel unwell.
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.
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.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363	Wash contaminated clothing before reuse.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310	Immediately call a POISON CENTER/doctor/...
P321	Specific treatment (see ... on this label).

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. WATER OR OTHER NON-REPORTABLE INGREDIENTS

Concentration	80 - 90 %
CAS no.	7732-18-5

2. Potassium carbonate

Concentration	15 - 25 %
CAS no.	584-08-7

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention
If inhaled	Assure fresh air breathing. Allow the victim to rest.
In case of skin contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
In case of eye contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

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If swallowed Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Personal protective equipment for first-aid responders
None required

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Foam. Dry powder. Carbon dioxide. Water spray. Sand.

5.3 Special protective actions for fire-fighters

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use chemically protective clothing.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in the original container in a cool, well ventilated place away from : incompatible materials. Keep container closed when not in use. Incompatible products: Oxidizing agent. Strong acids.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

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

Pictograms



Eye/face protection

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Chemical goggles or safety glasses.

Skin protection

Wear protective gloves.

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

Wear appropriate mask.

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	11.8-12.5
Melting point/freezing point	32 deg F
Initial boiling point and boiling range	218 deg F
Flash point	
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	
Vapor density	Equal to water
Relative density	1.19-1.21
Solubility(ies)	Water
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

SECTION 10: Stability and reactivity

10.1 Reactivity

None

10.2 Chemical stability

Not Established

10.3 Possibility of hazardous reactions

Not Established

10.4 Conditions to avoid

Extremely high or low temperatures.

10.5 Incompatible materials

Strong Acids. Strong Bases.

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10.6 Hazardous decomposition products
None

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Water: Oral LD50 Rat > 90/mL/kg

Carbonic Acid: Oral LD50 Rat 1870 mg/kg

Skin corrosion/irritation

Not Classified

Serious eye damage/irritation

Not Classified

Respiratory or skin sensitization

Not Classified

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

STOT-single exposure

Not classified

STOT-repeated exposure

Not classified

SECTION 12: Ecological information

Toxicity

Not Established

Persistence and degradability

Not Established

Bioaccumulative potential

Not Established

Mobility in soil

Not Established

Results of PBT and vPvB assessment

Not Established

Other adverse effects

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Avoid release to the environment.

SECTION 13: Disposal considerations

Disposal of the product

Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with local, state and federal regulations.

Disposal of contaminated packaging

Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with local, state and federal regulations.

Waste treatment

Avoid release to the environment.

SECTION 14: Transport information

DOT (US)

UN Number: UN1760

Class: 8

Packing Group: PG II

Proper Shipping Name: Corrosive liquid, NOS (Contains Potassium Carbonate)

Reportable quantity (RQ):

Marine pollutant:

Poison inhalation hazard:

Small Quantities May Be Shipped As LTD QTY

IMDG

UN Number: UN1760

Class: 8

Packing Group: II

EMS Number:

Proper Shipping Name: Corrosive liquid, NOS (Contains Potassium Carbonate)

IATA

UN Number: UN1760

Class: 8

Packing Group: II

Proper Shipping Name: Corrosive liquid, NOS (Contains Potassium Carbonate)

SECTION 15: Regulatory information

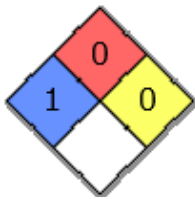
HMIS Rating

Flash Copper Part C	
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

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