



CASWELL INC

Safety Data Sheet Aluminum Blue Chromate & Sealer

SECTION 1: Identification

1.1 Product identifier

Product name	Aluminum Blue Chromate & Sealer
Product number	ALCS
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: OSHA (29 CFR 1910.1200)

- Acute toxicity, oral (C.4.1), Cat. 4
- Acute toxicity, inhalation (C.4.3), Cat. 4
- Skin corrosion/irritation (C.4.4), Cat. 2
- Eye damage/irritation (C.4.5), Cat. 2A
- Specific target organ toxicity (single exposure) (C.4.11), Cat. 3

2.2 GHS label elements, including precautionary statements

Pictogram

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Signal word

Warning

Hazard statement(s)

H302
H332
H319
H335

Harmful if swallowed
Harmful if inhaled
Causes serious eye irritation
May cause respiratory irritation

Precautionary statement(s)

P261
P284
P304+P340
P342+P311
P501
P201
P202
P280
P308+P313
P405
P260
P264
P270
P314
P301+P312
P330
P271
P312
P302+P352
P321
P332+P313
P362+P364
P305+P351+P338

P337+P313
P403+P233

Avoid breathing dust/fume/gas/mist/vapors/spray.
[In case of inadequate ventilation] wear respiratory protection.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...
Dispose of contents/container to ...
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concerned: Get medical advice/attention.
Store locked up.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash ... thoroughly after handling.
Do not eat, drink or smoke when using this product.
Get medical advice/attention if you feel unwell.
IF SWALLOWED: Call a POISON CENTER /doctor/...if you feel unwell,
Rinse mouth.
Use only outdoors or in a well-ventilated area.
Call a POISON CENTER/doctor/.../ if you feel unwell.
IF ON SKIN: Wash with plenty of water/...
Specific treatment (see ... on this label).
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
Store in a well-ventilated place. Keep container tightly closed.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. WATER AND/OR NON-REPORTABLE INGREDIENTS

Concentration 85 - 95 % (weight)

2. Chromium hydroxide sulfate (Cr(OH)(SO4))

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Concentration 1 - 2 % (weight)
CAS no. 12336-95-7

3. Zirconium potassium fluoride

Concentration 0.5 - 1 % (weight)
CAS no. 16923-95-8

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Seek immediate medical advice.
If inhaled	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention. In case of unconsciousness place patient stably in side position for transportation.
In case of skin contact	Immediately wash with water and soap and rinse thoroughly. If skin irritation occurs, consult a doctor.
In case of eye contact	Rinse opened eye for at least 15 minutes under running water. If easy to do so, remove contact lenses if worn. If eye irritation occurs, consult a doctor.
If swallowed	Do not induce vomiting. If conscious, have person drink plenty of water. Seek medical attention or contact poison control center immediately.
Personal protective equipment for first-aid responders	No further relevant information available.

4.2 Most important symptoms/effects, acute and delayed

No further relevant information available.

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

No further relevant information available.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

CO₂, sand, dry chemical, water mist or alcohol resistant foam

5.2 Specific hazards arising from the chemical

No further relevant information available

5.3 Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear to prevent contact with skin and eyes.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Do not allow to enter sewers, surface or ground water.

6.3 Methods and materials for containment and cleaning up

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated materials as waste according to item 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wear protective equipment.

Avoid contact with skin, eyes and clothing.

Ensure good ventilation/exhaustion at the workplace.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry place in tightly closed receptacles.

Store away from direct sunlight.

Maintain air gap between stacks/pallets.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

Pictograms



Body protection

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the

Respiratory protection

Suitable respiratory protective device recommended

Environmental exposure controls

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Keep away from drains, surface and ground waters.
Avoid release into the environment.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Purple Liquid
Odor	None
Odor threshold	
pH	3.1-3.5
Melting point/freezing point	
Initial boiling point and boiling range	Not Available
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not applicable
Upper/lower flammability limits	Not applicable
Vapor pressure	
Vapor density	
Relative density	1.01
Solubility(ies)	Fully miscible.
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	DOES NOT CONTAIN VOC'S

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

No further relevant information available.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No further relevant information available.

SECTION 11: Toxicological information

Information on toxicological effects

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Acute toxicity

Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

SECTION 12: Ecological information

Toxicity

No further relevant information available.

Persistence and degradability

No further relevant information available.

Bioaccumulative potential

No further relevant information available.

Mobility in soil

No further relevant information available.

Results of PBT and vPvB assessment

No further relevant information available.

SECTION 13: Disposal considerations

Disposal of the product

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Observe all regulations when disposing of this material.

Disposal of contaminated packaging

Disposal must be made according to official 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

Chemical name: Zirconium potassium fluoride

CAS number: 16923-95-8

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New Jersey Right To Know Components

Common name: ZIRCONIUM POTASSIUM FLUORIDE

CAS number: 16923-95-8

Pennsylvania Right To Know Components

Chemical name: Zirconate(2-), hexafluoro-, dipotassium, (OC-6-11)-

CAS number: 16923-95-8

15.2 Chemical Safety Assessment

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

HMIS Rating

Aluminum Blue Chromate & Sealer	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	F

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

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