

## Safety Data Sheet Aluminum Brightener

### SECTION 1: Identification

#### 1.1 Product identifier

Product name	Aluminum Brightener
Product number	ALBR
Brand	CASWELL

#### 1.4 Supplier's details

Supplied in Australia by Caswell Australia

Name	Caswell Inc	Factory 1
Address	7696 Route 31 Lyons, NY 14489 USA	51 ELM PARK DRIVE HOPPERS CROSSING VICTORIA 3029
Telephone	315 946 1213	PHONE 03 9741 7103
Fax	315 946 4456	
email	sales@caswellplating.com	EMERGENCY NUMBER <b>000</b>

#### 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. 2
- Acute toxicity, dermal (chapter 3.1), Cat. 2
- Skin corrosion/irritation (chapter 3.2), Cat. 1A

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

##### Pictogram



##### Signal word

**Danger**

##### Hazard statement(s)

H330	Fatal if inhaled
H310	Fatal in contact with skin

# Safety Data Sheet

## Aluminum Brightener

H314

Causes severe skin burns and eye damage

### Precautionary statement(s)

P260

Do not breathe dust/fume/gas/mist/vapours/spray.

P271

Use only outdoors or in a well-ventilated area.

P284

[In case of inadequate ventilation] wear respiratory protection.

P304+P340

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P310

Immediately call a POISON CENTER/doctor/...

P320

Specific treatment is urgent (see ... on this label).

P403+P233

Store in a well ventilated place. Keep container tightly closed.

P405

Store locked up.

P501

Dispose of contents/container to ...

P262

Do not get in eyes, on skin, or on clothing.

P264

Wash ... thoroughly after handling.

P270

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

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352

IF ON SKIN: Wash with plenty of water/...

P321

Specific treatment (see ... on this label).

P361+P364

Take off immediately all contaminated clothing and wash it before reuse.

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.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

##### 1. Phosphoric acid liquid

Concentration

< 10 %

EC no.

231-633-2

CAS no.

7664-38-2

Index no.

015-011-00-6

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

H314

Causes severe skin burns and eye damage

##### 2. HYDROFLUORIC ACID

Concentration

< 15 %

EC no.

231-634-8

CAS no.

7664-39-3

Index no.

009-003-00-1

- Acute toxicity (chapter 3.1), Cat. 2

- Acute toxicity (chapter 3.1), Cat. 1

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

H300

Fatal if swallowed

# Safety Data Sheet

## Aluminum Brightener

H310	Fatal in contact with skin
H314	Causes severe skin burns and eye damage
H330	Fatal if inhaled

### Trade secret statement (OSHA 1910.1200(i))

Specific Non Hazardous and Non Reportable Chemical Compounds and Percentages Have Been Omitted As A Trade Secret under OSHA 1910.1200(i)

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## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

General advice	Corrosive to skin and mucous membranes.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash off with soap and plenty of water. Get medical attention if symptoms occur.
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	See section 8

### 4.2 Most important symptoms/effects, acute and delayed

not available

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## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Dry chemical, foam, carbon dioxide, water fog.

### 5.2 Specific hazards arising from the chemical

Contact with some metals, particularly magnesium, aluminum and zinc (galvanized) can rapidly generate hydrogen, which can be explosive.

### 5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

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## SECTION 6: Accidental release measures

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

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.

### 6.2 Environmental precautions

# Safety Data Sheet

## Aluminum Brightener

Toxic To Aquatic Life. Avoid release to environment.

### 6.3 Methods and materials for containment and cleaning up

Do not allow to enter drains or water source.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

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

### 7.2 Conditions for safe storage, including any incompatibilities

not available

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### 1. Phosphoric acid (CAS: 7664-38-2)

PEL (Inhalation): 1 mg/m<sup>3</sup> (OSHA)

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

#### 2. Phosphoric acid (CAS: 7664-38-2)

PEL (Inhalation): 1 mg/m<sup>3</sup>, (ST) 3 mg/m<sup>3</sup> (Cal/OSHA)

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

#### 3. Phosphoric acid (CAS: 7664-38-2)

REL (Inhalation): 1 mg/m<sup>3</sup>, (ST) 3 mg/m<sup>3</sup> (NIOSH)

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

### 8.2 Appropriate engineering controls

Avoid exposure.

### 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

Wear chemical resistant gloves and clothing.

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

# Safety Data Sheet

## Aluminum Brightener

Appearance/form (physical state, color, etc.)	Clear Liquid
Odor	Acidic
Odor threshold	not available
pH	<2
Melting point/freezing point	not available
Initial boiling point and boiling range	220 deg F
Flash point	None
Evaporation rate	not available
Flammability (solid, gas)	not available
Upper/lower flammability limits	not available
Upper/lower explosive limits	not available
Vapor pressure	not available
Vapor density	not available
Relative density	1.06
Solubility(ies)	Complete in Water
Partition coefficient: n-octanol/water	not available
Auto-ignition temperature	not available
Decomposition temperature	not available
Viscosity	not available
Explosive properties	
Oxidizing properties	

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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Not Reactive

#### 10.2 Chemical stability

Material is Stable

#### 10.3 Possibility of hazardous reactions

None

#### 10.4 Conditions to avoid

None

#### 10.5 Incompatible materials

Strong Acids

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### SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity

Not established

##### Skin corrosion/irritation

Not established

##### Serious eye damage/irritation

Not established

##### Respiratory or skin sensitization

# Safety Data Sheet

## Aluminum Brightener

Not established

### **Germ cell mutagenicity**

Not established

### **Carcinogenicity**

None

### **Reproductive toxicity**

Not established

### **STOT-single exposure**

Not established

### **STOT-repeated exposure**

Not established

### **Aspiration hazard**

Not established

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## SECTION 12: Ecological information

### **Toxicity**

Harmful to aquatic life.

### **Persistence and degradability**

Not established

### **Bioaccumulative potential**

Not established

### **Mobility in soil**

Not established

### **Results of PBT and vPvB assessment**

Not established

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## SECTION 13: Disposal considerations

### **Disposal of the product**

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.

### **Disposal of contaminated packaging**

Dispose of as unused product.

### **Waste treatment**

Not established

### **Sewage disposal**

Not established

# Safety Data Sheet

## Aluminum Brightener

### SECTION 14: Transport information

#### DOT (US)

UN Number: UN1760

Class: 8

Packing Group: II

Proper Shipping Name: Corrosive liquid, NOS (Hydrofluoric Acid, Phosphoric Acid)

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 (Hydrofluoric Acid, Phosphoric Acid)

#### IATA

UN Number: UN1760

Class: 8

Packing Group: II

Proper Shipping Name: Corrosive liquid, NOS (Hydrofluoric Acid, Phosphoric Acid)

### SECTION 15: Regulatory information

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

##### Massachusetts Right To Know Components

Chemical name: Phosphoric acid

CAS number: 7664-38-2

##### New Jersey Right To Know Components

Common name: PHOSPHORIC ACID

CAS number: 7664-38-2

##### Massachusetts Right To Know Components

Chemical name: Hydrofluoric acid

CAS number: 7664-39-3

##### New Jersey Right To Know Components

Common name: HYDROGEN FLUORIDE

CAS number: 7664-39-3

##### Pennsylvania Right To Know Components

Chemical name: Hydrofluoric acid

CAS number: 7664-39-3

#### HMIS Rating

Aluminum Brightener	
HEALTH	* 2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C

# Safety Data Sheet

## Aluminum Brightener

### 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.