



CASWELL INC

Safety Data Sheet Deoxidizer/Desmut

SECTION 1: Identification

1.1 Product identifier

Product name	Deoxidizer/Desmut
Product number	ALDEOX
Brand	Caswell

1.3 Recommended use of the chemical and restrictions on use

Metal Etch

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 Int# +01-813-248-0585

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

- Acute toxicity, oral (chapter 3.1), Cat. 4
- 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



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Signal word

Danger

Hazard statement(s)

H302

H314

H318

Harmful if swallowed

Causes severe skin burns and eye damage

Causes serious eye damage

Precautionary statement(s)

P264

P270

P301+P312

P330

P501

P260

P280

P301+P330+P331

P303+P361+P353

P363

P304+P340

P310

P321

P305+P351+P338

P405

Wash ... thoroughly after handling.

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

IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell, Rinse mouth.

Dispose of contents/container to ...

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

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

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Wash contaminated clothing before reuse.

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

Immediately call a POISON CENTER/doctor/...

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

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

Store locked up.

SECTION 3: Composition/information on ingredients

3.1 Substances

Hazardous components

1. Sulfuric acid (90-98 %)

Concentration	18 %
EC no.	231-639-5
CAS no.	7664-93-9
Index no.	016-020-00-8

2. Sodium nitrate

Concentration	6 %
CAS no.	7631-99-4

3. WATER OR OTHER NON-REPORTABLE INGREDIENTS

Concentration	76 %
CAS no.	7732-18-5

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Avoid all contact. Consult a physician if exposed.
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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.
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

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**
Not available
- 5.3 Special protective actions for fire-fighters**
Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
See section 8 for PPE.
- 6.2 Environmental precautions**
See section 12 for Environmental Information
- 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.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling**
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. For precautions see section 2.2.
- 7.2 Conditions for safe storage, including any incompatibilities**
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Incompatible with strong acids and bases.

SECTION 8: Exposure controls/personal protection

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8.1 Control parameters

1. Sulfuric acid (CAS: 7664-93-9)

PEL (Inhalation): 1 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

2. Sulfuric acid (CAS: 7664-93-9)

PEL (Inhalation): 0.1 mg/m³, (ST) 3 mg/m³ (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

3. Sulfuric acid (CAS: 7664-93-9)

REL (Inhalation): 1 mg/m³ (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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

Pictograms



Eye/face protection

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

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

Thermal hazards

None Known

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Light Brown Liquid
Odor	No information Available
Odor threshold	No information Available
pH	1.0
Melting point/freezing point	No information Available
Initial boiling point and boiling range	152 deg F

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Flash point	> 300 deg F
Evaporation rate	No information Available
Flammability (solid, gas)	No information Available
Upper/lower flammability limits	No information Available
Upper/lower explosive limits	No information Available
Vapor pressure	No information Available
Vapor density	No information Available
Relative density	1.4269
Solubility(ies)	No information Available
Partition coefficient: n-octanol/water	No information Available
Auto-ignition temperature	No information Available
Decomposition temperature	No information Available
Viscosity	No information Available
Explosive properties	No information Available
Oxidizing properties	No information Available

Other safety information

Product does not contain Volatile Organic Compounds

SECTION 10: Stability and reactivity

10.1 Reactivity

No information Available

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid

Temperature Extremes. Direct Sunlight

10.5 Incompatible materials

Strong Acids and Bases

10.6 Hazardous decomposition products

Carbon Oxides. Steam. Hydrocarbons.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Sulfuric Acid: 510mg/m³ (Rat) 2h

Sodium Nitrate: 1267 mg/kg (Rat)

Skin corrosion/irritation

Irritating To Skin

Serious eye damage/irritation

Corrosive to eyes

Respiratory or skin sensitization

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Harmful by inhalation

Germ cell mutagenicity

No information Available

Carcinogenicity

Sulfuric Acid: Group 1 IARC

Sodium Nitrate: Group 2A IARC

Reproductive toxicity

No information Available

STOT-single exposure

No information Available

STOT-repeated exposure

No information Available

Aspiration hazard

No information Available

SECTION 12: Ecological information

Toxicity

Sulfuric Acid: 500: 96h LC50 Static (fish)

Sodium Nitrate: 2000 96h LC50 (fish)

Persistence and degradability

No information Available

Bioaccumulative potential

No information Available

Mobility in soil

No information Available

Results of PBT and vPvB assessment

No information Available

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

Consult appropriate federal and local regulations for disposal. Empty containers are subject to the same regulations.

Waste treatment

No information available

Sewage disposal

Consult appropriate federal and local regulations for disposal. Empty containers are subject to the same regulations.

SECTION 14: Transport information

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DOT (US)

UN Number: UN3264

Class: 8

Packing Group: II

Proper Shipping Name: Corrosive liquid, acidic, inorganic NOS (Sulfuric Acid Solution)

Reportable quantity (RQ):

Marine pollutant:

Poison inhalation hazard:

IMDG

UN Number: UN3264

Class: 8

Packing Group: II

EMS Number:

Proper Shipping Name: Corrosive liquid, acidic, inorganic NOS (Sulfuric Acid Solution)

IATA

UN Number: UN3264

Class: 8

Packing Group: II

Proper Shipping Name: Corrosive liquid, acidic, inorganic NOS (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

Chemical name: Sulfuric acid (90-98 %)

CAS number: 7664-93-9

03/14/2003 - Cancer

Pennsylvania Right To Know Components

Chemical name: Nitric acid, sodium salt

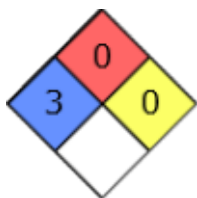
CAS number: 7631-99-4

HMIS Rating

Deoxidizer/Desmut	
HEALTH	* 3
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	D

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NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

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