



Aluma Wash

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Aluma Wash
SDS Number: 6329, 10329
Revision Date: 12/14/2017
Product Description: Cleaning Concentrate with Metal Inhibitor
Product Use: For all Aluminum Building Surfaces
Supplier Details: Winsol Laboratories Inc
1417 NW 51st St
Seattle, WA 98107
Emergency: INFOTRAC 1-800-535-5053 (North America); 1-352-323-3500 (International)
Phone: 206-782-5500
Web: www.winsol.com

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Health, Skin corrosion/irritation, 2
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Acute toxicity, 4 Oral
Environmental, Hazards to the aquatic environment - Acute, 3

GHS Label elements, including precautionary statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

H315 - Causes skin irritation
H319 - Causes serious eye irritation
H302 - Harmful if swallowed
H402 - Harmful to aquatic life

GHS Precautionary Statements:

P102 - Keep out of reach of children.
P103 - Read label before use.
P260 - Do not breathe mist or spray.
P264 - Wash skin thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 - IF SWALLOWED: May cause gastrointestinal irritation. Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
P302 - IF ON SKIN: Prolonged or repeated and confined exposure may cause skin irritation. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing and footwear before reuse.
P304 - IF INHALED: Remove to fresh air.
P305 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists consult medical personnel.



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3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
5324-84-5	.5-2%	1-Octanesulfonic acid, sodium salt
68439-50-9	.5-1%	Alcohols, C12-14, ethoxylated
7320-34-5	.5-2%	Diphosphoric acid, tetrapotassium salt
34590-94-8	1-5%	Dipropylene glycol methyl ether
60-00-4	.5-2%	Ethylenediamine-tetraacetic acid
1310-58-3	.5-1%	Potassium hydroxide, solution
6834-92-0	.5-1%	Silicic acid (H ₂ SiO ₃), disodium salt
1312-76-1	5-10%	Silicic acid, potassium salt

The exact percentage (or concentration) of ingredients has been withheld as a trade secret.

Composition Comments: Components and trace elements not listed are either non-hazardous or are below reportable limits.

4 FIRST AID MEASURES

Inhalation:	Remove to fresh air.
Skin Contact:	Prolonged or repeated and confined exposure may cause skin irritation. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing and footwear before reuse.
Eye Contact:	Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists consult medical personnel.
Ingestion:	May cause gastrointestinal irritation. Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

5 FIRE FIGHTING MEASURES

Flammability:	NON-FLAMMABLE
Flash Point:	N/A
LEL:	N/A
UEL:	N/A

EXTINGUISHING MEDIA: Water

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus with a full face piece operated in a pressure demand or other positive pressure mode.

6 ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material and transfer to labeled containers.

LARGE SPILL: Stop spill at source, dike area of spill to prevent spreading, pump liquid into salvage tank. Remaining liquid may be taken up on sand, clay, floor absorbent or other absorbent material and shoveled into labeled containers.

WASTE DISPOSAL METHOD: Review Federal, Provincial and Local Government requirements prior to disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Exercise care and caution. Store in cool dry place.

OTHER PRECAUTIONS: Containers of this material may be hazardous when emptied, since emptied containers retain product residues (vapor, liquid and/or solids), all hazard precautions given in the data sheet must be observed.



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7 HANDLING AND STORAGE

Handling Precautions: Keep material out of reach of children.
Storage Requirements: Store in cool/dry area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment: RESPIRATORY PROTECTION: If TLV of the product or component is exceeded, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified condition.
Ventilation: Provide general or mechanical ventilation or local exhaust.
PROTECTIVE GLOVES: Use impermeable gloves to prevent skin contact. Use head caps, boots, chemical aprons when necessary.
EYE PROTECTION: Use safety eyewear designed to protect eyes against liquid splash and mists.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Use protective clothing to prevent skin contact. Use head caps, boots, chemical aprons when necessary.
WORK/HYGIENIC PRACTICES: Eyewashes and safety showers in the workplace are recommended. Wash hands after using. Monitor exposure levels.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear	Odor:	Mild
Physical State:	Liquid	Solubility:	100% in water
Odor Threshold:	No data available	Freezing/Melting Pt.:	No data available
Spec Grav./Density:	1.02	Flash Point:	No data available
Viscosity:	No data available	Vapor Density:	No data available
Boiling Point:	No data available	Auto-Ignition Temp:	No data available
Flammability:	None	UFL/LFL:	No data available
Partition Coefficient:	No data available		
Vapor Pressure:	No data available		
pH:	No data available		
Evap. Rate:	No data available		
Decomp Temp:	No data available		

10 STABILITY AND REACTIVITY

Reactivity: Product is stable under normal conditions.
Chemical Stability: Product is stable under normal conditions.
Conditions to Avoid: N/A
Materials to Avoid: Strong Oxidizing Agents, Acids.
Hazardous Decomposition: Not known.
Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

1-Octanesulfonic acid, sodium salt (5324-84-5) :
Information on toxicological effects
Acute toxicity:
Oral LD50 no data available
Inhalation LC50
Dermal LD50
Other information on acute toxicity
Skin corrosion/irritation: no data available
Serious eye damage/eye irritation: no data available
Respiratory or skin sensitization: no data available
Germ cell mutagenicity: no data available



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Carcinogenicity:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: Not available

Diphosphoric acid, tetrapotassium salt (7320-34-5) :

Information on toxicological effects

Acute toxicity:

Oral LD50 Inhalation LC50 Dermal LD50 Dermal - rabbit - > 4,640 mg/kg Remarks: Prolonged skin contact may cause skin irritation and/or dermatitis.

Other information on acute toxicity no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: JL6735000

Dipropylene glycol methyl ether (34590-94-8) :

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 5,152 mg/kg

Inhalation LC50 no data available

Dermal LD50

Other information on acute toxicity

Skin corrosion/irritation: Serious eye damage/eye irritation:

Eyes - rabbit - Mild eye irritation - 24 h

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, OSHA.



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Reproductive toxicity: no data available
Teratogenicity: no data available
Specific target organ toxicity - single exposure (Globally Harmonized System): no data available
Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available
Aspiration hazard: no data available
Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed.
Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.
Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Synergistic effects: no data available
Additional Information:
RTECS: JM1575000

Ethylenediamine-tetraacetic acid (60-00-4) :
Information on toxicological effects
Acute toxicity:
LD50 Oral - rat - male and female - 4,500 mg/kg
Inhalation: no data available
Dermal: no data available
Skin corrosion/irritation: Skin - rabbit Result: No skin irritation
Serious eye damage/eye irritation: Eyes - rabbit Result: Eye irritation
Respiratory or skin sensitisation: Maximisation Test - rabbit Result: Does not cause skin sensitisation.
Germ cell mutagenicity: no data available

Carcinogenicity:
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, OSHA.

Reproductive toxicity: no data available
Specific target organ toxicity - single exposure: no data available
Specific target organ toxicity - repeated exposure: no data available
Aspiration hazard: no data available
Additional Information:
RTECS: AH4025000
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potassium hydroxide, solution (1310-58-3) :
Information on toxicological effects
Acute toxicity:
LD50 Oral - rat - 333 mg/kg
Inhalation: no data available
Dermal: no data available
Skin corrosion/irritation: Skin - rabbit Result: Severe skin irritation - 24 h
Serious eye damage/eye irritation: Eyes - rabbit Result: Corrosive to eyes (OECD Test Guideline 405)
Respiratory or skin sensitisation: no data available
Germ cell mutagenicity: no data available

Carcinogenicity:
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, OSHA.

Reproductive toxicity: no data available
Specific target organ toxicity - single exposure: no data available
Specific target organ toxicity - repeated exposure: no data available
Aspiration hazard: no data available
Additional Information:
RTECS: TT2100000



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Silicic acid (H₂SiO₃), disodium salt (6834-92-0) :

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 1,153 mg/kg

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: Skin - rabbit Result: Severe skin irritation - 24 h

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, OSHA.

Reproductive toxicity: no data available

Reproductive toxicity - rat - Oral:

Effects on Newborn: Stillbirth. Effects on Newborn: Live birth index (# fetuses per litter; measured after birth). Effects on Newborn: Weaning or lactation index (e.g., # alive at weaning per # alive at day 4). no data available

Specific target organ toxicity - single exposure: May cause respiratory irritation.

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: VV9275000

burning sensation, Cough, wheezing, laryngitis, Shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.

Silicic acid (H₂SiO₃), disodium salt (6834-92-0) : no data available

Diphosphoric acid, tetrapotassium salt (7320-34-5) : no data available

Alcohols, C12-14, ethoxylated (68439-50-9) : no data available

Silicic acid, potassium salt (1312-76-1) : no data available

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ECOLOGICAL INFORMATION

1-Octanesulfonic acid, sodium salt (5324-84-5) :

Information on ecological effects

Toxicity:

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 3,200 mg/l - 24 h.
and other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

Dipropylene glycol methyl ether (34590-94-8) :

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - > 10,000 mg/l - 96 h.

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 1,919 mg/l - 48 h.

and other aquatic invertebrates

Persistence and degradability: Biodegradability

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available



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Ethylenediamine-tetraacetic acid (60-00-4) :

Information on ecological effects

Toxicity:

Toxicity to fish static test LC50 - Lepomis macrochirus (Bluegill sunfish) - 41 mg/l - 96 h.

Toxicity to daphnia and static test EC50 - Daphnia magna (Water flea) - 625 mg/l - 48 h.

other aquatic invertebrates

Persistence and degradability: Bioaccumulative potential:

Bioaccumulation Lepomis macrochirus - 28 d - 80 µg/l

Bioconcentration factor (BCF): 1.8

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: May be harmful to aquatic organisms due to the shift of the pH. Avoid release to the environment.

Potassium hydroxide, solution (1310-58-3) :

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 80 mg/l - 96 h.

Persistence and degradability: The methods for determining the biological degradability are not applicable to inorganic substances.

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life.

Silicic acid (H₂SiO₃), disodium salt (6834-92-0) : no data available

Diphosphoric acid, tetrapotassium salt (7320-34-5) : no data available

Alcohols, C12-14, ethoxylated (68439-50-9) : no data available

Silicic acid, potassium salt (1312-76-1) : no data available

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DISPOSAL CONSIDERATIONS

Waste Disposal Method: Review Federal, Provincial and Local Government requirements prior to disposal.

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TRANSPORT INFORMATION

Non-hazardous.

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REGULATORY INFORMATION

Component (CAS#) [%] - CODES

1-Octanesulfonic acid, sodium salt (5324-84-5) TSCA

Alcohols, C12-14, ethoxylated (68439-50-9) TSCA

Diphosphoric acid, tetrapotassium salt (7320-34-5) TSCA

Dipropylene glycol methyl ether (34590-94-8) MASS, OSHAWAC, PA, TSCA, TXAIR

RQ(5000LBS), Ethylenediamine-tetraacetic acid (60-00-4) CERCLA, CSWHS, HAP, MASS, PA, TSCA

RQ(1000LBS), Potassium hydroxide, solution (1310-58-3) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

Silicic acid (H₂SiO₃), disodium salt (6834-92-0) TSCA

Silicic acid, potassium salt (1312-76-1) TSCA




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Regulatory CODE Descriptions

RQ = Reportable Quantity
 TSCA = Toxic Substances Control Act
 MASS = MA Massachusetts Hazardous Substances List
 OSHAWAC = OSHA Workplace Air Contaminants
 PA = PA Right-To-Know List of Hazardous Substances
 TXAIR = TX Air Contaminants with Health Effects Screening Level
 CERCLA = Superfund clean up substance
 CSWHS = Clean water Act Hazardous substances
 HAP = Hazardous Air Pollutants

16	OTHER INFORMATION
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HMIS III: Health = 2, Fire = 0, Physical Hazard = 0
 HMIS PPE: B - Safety Glasses, Gloves

HMIS	PPE
HEALTH 2	
FLAMMABILITY 0	
PHYSICAL HAZARD 0	
PERSONAL PROTECTION B	

HMIS Index: 1-slight , 2-moderate, 3-serious, 4-severe

The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Winsol Laboratories, Inc. assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

Sections 11 and 12 are based on composition of 100% raw materials.

ISSUE DATE: 05/19/15
 REVISION DATE: 12/14/17
 REVISIONS: 3 year revision/review