



Product identifier	Aluminum Cleaner	
Other means of identification		
Product code	9017XX	
Recommended use	Cleaner.	
Recommended restrictions	None known.	
Manufacturer / Importer / Supp	olier / Distributor information	
Company name Address	Star brite Distributing, Inc. 4041 SW 47th Avenue Fort Lauderdale, FL 33314 US US	
Telephone	General Information:	(954) 587-6280
E-mail	Not available.	

Vincent Waclawek

24-Hour Emergency:

CHEMTREC: (703) 527-3887 or (800) 424-9300

2. Hazard(s) identification

Emergency phone number

Contact person

Physical hazards	Corrosive to metals	Category 1
Health hazards	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
OSHA defined hazards	Not classified.	
Label elements		



Signal word	Danger
Hazard statement	Causes severe skin burns and eye damage. May be corrosive to metals.
Precautionary statement	
Prevention	Do not breathe mist or vapor. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Keep only in original container.
Response	Absorb spillage to prevent material damage. 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. Immediately call a poison center/doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	Store locked up. Store in corrosive resistant container with a resistant inner liner.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	Not classified.

Supplemental information

Keep out of reach of children.

3. Composition/information on ingredients

tures		
Chemical name	CAS number	%
Organic acid salt	Proprietary	18
Sulfuric acid	7664-93-9	2
Surfactant blend	Proprietary	2

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in

percent by volume.

Composition comments

4. First-aid measures	
Inhalation	If symptomatic, move to fresh air. Get medical attention if symptoms persist.
Skin contact	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash contaminated clothing before reuse. Destroy contaminated clothing and shoes.
Eye contact	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention immediately. In case of irritation from airborne exposure, move to fresh air.
Ingestion	Call a physician or poison control center immediately. DO NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration.
Most important symptoms/effects, acute and delayed	Corrosive effects. Symptoms include itching, burning, redness and tearing.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	First aid personnel must be aware of own risk during rescue.
5. Fire-fighting measures	
Suitable extinguishing media	Water spray. Alcohol foam. Dry chemical. Carbon dioxide (CO2).
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Contact with metal may release flammable hydrogen gas.
Special protective equipment and precautions for firefighters	None known.
Fire-fighting equipment/instructions	Self-contained breathing apparatus, operated in positive pressure mode and full protective clothing must be worn in case of fire.
6. Accidental release meas	sures
Personal precautions,	Use personal protection recommended in Section 8 of the SDS.

Personal precautions, protective equipment and emergency procedures	Use personal protection recommended in Section 8 of the SDS.
Methods and materials for containment and cleaning up	Absorb spill with vermiculite or other inert material, then place in a container for chemical waste for proper disposal.
	Large Spills: Flush area with plenty of water. Prevent runoff from entering drains, sewers, or streams. Dike for later disposal.
Environmental precautions	Environmental manager must be informed of all major releases.

7. Handling and storage

Precautions for safe handling	Do not breathe mist or vapor. Do not get in eyes, on skin, on clothing. Do not taste or swallow. Wash thoroughly after handling. Use only with adequate ventilation.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed and in a well-ventilated place. Store away from incompatible materials.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value	
Sulfuric acid (CAS 7664-93-9)	PEL	1 mg/m3	
US. ACGIH Threshold Limit Va	alues		
Components	Туре	Value	Form
Sulfuric acid (CAS 7664-93-9)	TWA	0.2 mg/m3	Thoracic fraction.
US NIOSH Pocket Guide to Ch	emical Hazards: Recommended	exposure limit (REL)	
Components	Туре	Value	
Sulfuric acid (CAS 7664-93-9)	TWA	1 mg/m3	

Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Ensure adequate ventilation, especially in confined areas. Provide easy access to water supply and eye wash facilities.
Individual protection measures,	such as personal protective equipment
Eye/face protection	Wear safety glasses with side shields (or goggles) and a face shield.
Skin protection	
Hand protection	Chemical resistant gloves are recommended.
Other	Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.
Thermal hazards	Not applicable.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance	Clear liquid.
Physical state	Liquid.
Form	Liquid.
Color	Clear.
Odor	Characteristic.
Odor threshold	Not available.
рН	1
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	1.03 (20°C)
Relative density	Not available.
Solubility(ies)	Completely soluble.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
10 Stability and reactivity	

10. Stability and reactivity

Reactivity	Stable at normal conditions.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

Conditions to avoid	Corrosive to metals. Contact with certain metals liberates hydrogen gas which can cause a flash fire.
Incompatible materials	Bases. Anhydrides. Attacks copper, aluminum, zinc and their alloys.
Hazardous decomposition products	Contact with aluminum or zinc may release flammable hydrogen gas.
11. Toxicological informat	ion
Information on likely routes of e	exposure
Ingestion	May have a corrosive effect on the digestive canal.
Inhalation	May cause respiratory tract irritation.
Skin contact	Causes skin burns.
Eye contact	Causes serious eye damage.
Symptoms related to the physical, chemical and toxicological characteristics	Corrosive. Prolonged contact causes serious eye and tissue damage.
Information on toxicological eff	ects
Acute toxicity	Not assigned.
Skin corrosion/irritation	Causes severe skin burns.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory sensitization	Not assigned.
Respiratory sensitization Skin sensitization	Not assigned. Not assigned.
	-
Skin sensitization	Not assigned.
Skin sensitization Germ cell mutagenicity	Not assigned. Not assigned. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mists containing sulfuric acid" as a known human carcinogen, (IARC category 1). This classification applies only to mists containing sulfuric acid and not to sulfuric acid or sulfuric acid
Skin sensitization Germ cell mutagenicity Carcinogenicity	Not assigned. Not assigned. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mists containing sulfuric acid" as a known human carcinogen, (IARC category 1). This classification applies only to mists containing sulfuric acid and not to sulfuric acid or sulfuric acid solutions.
Skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity Specific target organ toxicity -	Not assigned. Not assigned. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mists containing sulfuric acid" as a known human carcinogen, (IARC category 1). This classification applies only to mists containing sulfuric acid and not to sulfuric acid or sulfuric acid solutions. Not assigned.
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Skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure	Not assigned. Not assigned. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mists containing sulfuric acid" as a known human carcinogen, (IARC category 1). This classification applies only to mists containing sulfuric acid and not to sulfuric acid or sulfuric acid solutions. Not assigned. Not assigned. Not assigned.
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Skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard 12. Ecological information Ecotoxicity	Not assigned. Not assigned. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mists containing sulfuric acid" as a known human carcinogen, (IARC category 1). This classification applies only to mists containing sulfuric acid and not to sulfuric acid or sulfuric acid solutions. Not assigned. Not assigned. Not assigned. Large amounts of the product may affect the pH-factor in water with possible risk of harmful effects to aquatic organisms.

13. Disposal considerations

Other adverse effects

Disposal instructions	This product, in its present state, when discarded or disposed of, may be a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.
Hazardous waste code	D002: Waste Corrosive material [pH <=2 or $=>12.5$, or corrosive to steel]
Waste from residues / unused products	Dispose in accordance with applicable federal, state, and local regulations.
Contaminated packaging	Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport information

D	O	Т

UN number	UN1760
UN proper shipping name	Corrosive liquids, n.o.s. (Organic acid salt)
Transport hazard class(es)	8
Subsidiary class(es)	-

Not available.

Packing group	III
Special precautions for use	
Special provisions	IB3, T7, TP1, TP28
Packaging exceptions	154
Packaging non bulk	203
Packaging bulk	241
ΙΑΤΑ	
UN number	UN1760
UN proper shipping name	Corrosive liquid, n.o.s. (Organic acid salt)
Transport hazard class(es)	8
Subsidiary class(es)	-
Packaging group Environmental hazards	No
Labels required	Not available.
ERG Code	8L
Special precautions for use	
IMDG	
UN number	UN1760
UN proper shipping name	CORROSIVE LIQUID, N.O.S. (Organic acid salt)
Transport hazard class(es)	8
Subsidiary class(es)	-
Packaging group	III
Environmental hazards	
Marine pollutant	No
Labels required	Not available.
EmS	F-A, S-B
Special precautions for use	r Not available.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	This substance/mixture is not intended to be transported in bulk.
General information	This product meets the limited quantities exception as follows: DOT / IMDG: Limited quantity up to 5 liters. IATA: Limited quantity up to 1 liter.
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General information 15. Regulatory information	DOT / IMDG: Limited quantity up to 5 liters. IATA: Limited quantity up to 1 liter.
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15. Regulatory information US federal regulations TSCA Section 12(b) Export Not regulated.	DOT / IMDG: Limited quantity up to 5 liters. IATA: Limited quantity up to 1 liter. This product is hazardous according to OSHA 29 CFR 1910.1200.
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 15. Regulatory information US federal regulations TSCA Section 12(b) Export Not regulated. US. OSHA Specifically Regunst Not listed. CERCLA Hazardous Substa Sulfuric acid (CAS 7664- Superfund Amendments and Regulated and categories SARA 302 Extremely hazardous substance SARA 311/312 Hazardous 	DOT / IMDG: Limited quantity up to 5 liters. IATA: Limited quantity up to 1 liter. This product is hazardous according to OSHA 29 CFR 1910.1200. Notification (40 CFR 707, Subpt. D) Ilated Substances (29 CFR 1910.1001-1050) Ince List (40 CFR 302.4) 93-9) LISTED Hauthorization Act of 1986 (SARA) Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Fire Hazard - No Reactivity Hazard - No No
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Sulfuric acid (CAS 7664-93-9)

Safe Drinking Water Act (SDWA)	Not regulated.	
Drug Enforcement Adm Chemical Code Number	inistration (DEA). List 2, Essential Chemicals (2	21 CFR 1310.02(b) and 1310.04(f)(2) and
Sulfuric acid (CAS 7	664-93-9) 6552	
Drug Enforcement Adm	inistration (DEA). List 1 & 2 Exempt Chemical N	/lixtures (21 CFR 1310.12(c))
Sulfuric acid (CAS 7 DEA Exempt Chemical	,	imn
Sulfuric acid (CAS 7		
Food and Drug	,	
Administration (FDA)	Not regulated.	
US state regulations	This product does not contain a chemical known defects or other reproductive harm.	to the State of California to cause cancer, birth
US. Massachusetts RTH	C - Substance List	
Sulfuric acid (CAS 7	664-93-9)	
US. New Jersey Worker	and Community Right-to-Know Act	
Sulfuric acid (CAS 7	664-93-9) 500 lbs Hazardous Substances	
Sulfuric acid (CAS 7		
US. Rhode Island RTK	504-35-3)	
Sulfuric acid (CAS 7	664-93-9)	
US. California Proposition 6	-	
-	ion 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance
Not listed.		,
International Inventories		
Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AI	
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in Ch	nina (IECSC) No
Europe	European Inventory of Existing Commercial Cher Substances (EINECS)	mical No
Europe	European List of Notified Chemical Substances ((ELINCS) No
Japan	Inventory of Existing and New Chemical Substan	nces (ENCS) No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical (PICCS)	Substances No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
	mplies with the inventory requirements administered by the components of the product are not listed or exempt from	

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	24-October-2013
Revision date	-
Version #	01
NFPA Ratings	3 0

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Star brite assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Star brite assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.