

SAFETY DATA SHEET

DAKOTA SOLUTIONS, IN

40690 253rd Street
Mitchell, SD 57301
1-605-996-7800

SECTION 1. Identification of the Product and of the Company

Product Name: Silver Brite Plus MX
UN/ID Number: N/A
Recommended Use: Polished Aluminum cleaning
Restrictions on Use: Use only as directed on label
Date of Issue: 5/14/15

Emergency Telephone Numbers

Chemtrec: (800)-424-9300

SECTION 2. Hazards Identification

EMERGENCY OVERVIEW

* Hazard Determination System (HDS): Health, Flammability, Reactivity

1 0 0

Hazard Category /GHS - Classification

Signal Word: DANGER!

Skin Corrosion / Irritation	Category 1B
Serious Eye Damage / Irritation	Category 1

Hazard Pictograms:



Hazard Statements:

Harmful if swallowed
Causes severe eye damage and irritation
May cause skin corrosion and irritation

Precautionary Statements - Prevention:

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not breathe dust/fumes/vapor/mist/spray
Contaminated clothing should be washed
Wear protective clothes, clothing, and eye protection

Precautionary Statements - Response:

IF ON SKIN: Gently wash with plenty of soap and water. Immediately remove contaminated clothing.

seek medical attention if irritation persist.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Drink 2 to 3 glasses of water. Seek medical attention

IF INHALED: Remove victim to fresh air. Under normal use concentrations in the mixture are not sufficiently volatile nor in sufficient concentration to produce an inhalation hazard.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persist: seek medical attention.

Precautionary Statements - Storage: Keep out of reach of children in a safe location. Keep container closed.

Precautionary Statements - Disposal: Dispose of contents and container according to state/local/ federal disposal regulations.

Hazards not otherwise classified (HNOC): This product can cause skin burns and irritation which may not be immediately painful.

SECTION 3. Composition/Information on Ingredients

NAME OF INGREDIENT	CAS NUMBER	% BY WEIGHT
Sulfuric Acid	111-76-2	1%
Proprietary Ingredient	Mixture	1%

SECTION 4. First Aid Measures

First aid measures for different routes of exposure

Eye Contact: Rinse with plenty of water and seek medical attention. Remove contact lenses if easy to do. Seek medical attention.

Skin Contact: Immediately wash affected area with plenty of water and remove all contaminated clothing. If irritation persist seek medical attention

Inhalation: Move to fresh air and keep victim at rest. Call a physician.

Ingestion: If swallowed immediate response is required. Do not induce vomiting. Never give anything by mouth to an unconscious person. Drink several glasses of water or milk. Seek medical attention.

Most important symptoms/effects, acute and delayed: Causes skin irritation and eye damage.

Notes to Physicians: Treat symptomatically.

SECTION 5. Fire Fighting Measures

Suitable extinguishing media: Dry chemical, CO₂, alcohol-resistant foam.

Unsuitable Extinguishing media: Not determined

Special Hazard: During fire hazardous gasses may form.

Special protective equipment for fire-fighters: As in any fire, wear self-contained breathing apparatus pressure demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific hazards arising from the chemical: This material is not expected to present any fire or explosion hazards under prescribed use conditions.

SECTION 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions: Use proper protective equipment as required.

Advice for emergency responders: Use personal protective equipment as required.

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Methods and materials for containment and cleaning up

Methods for containment: Absorb with earth, sand or other non combustible material and transfer to containers for later disposal.

Methods for cleaning up: Contain spillage, and then collect with noncombustible absorbent material

(e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7. Handling and Storage

Precautions for safe handling

Advice on safe handling: Use personal protective equipment as required. Keep container closed when not in use. Ensure all labels remain in good condition and adhered to the container. Keep out of reach of children

Conditions for safe storage, including incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well ventilated place.

Incompatible products: Acids, strong oxidizers

SECTION 8. Exposure Control / Personal Protection

Exposure Guidelines

Chemical	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sulfuric Acid	Not Established	1 mg/m ³	.02 mg/m ³
Proprietary Ingredient	Not Established	Not Established	Not Established

Appropriate engineering controls: Ensure adequate ventilation. Eye wash station and shower.

Personal Protective Equipment

Eye protection: Use appropriate eye protection goggles when handling material.

Hand protection: Chemical protective gloves.

Skin protection: Chemical resistant gloves, wear proper clothing.

Respiratory Protection: No special protective equipment required with adequate ventilation.

SECTION 9. Physical and Chemical Properties

Appearance

Physical state: Liquid

Form: Liquid

Color: green

Odor: Citrus

Odor threshold: Not Available

PH: Acidic

Melting point/freeze point: No information available

Flash Point: Not applicable

Evaporation rate: No information available

Flammability (solid, gas): Not available

Upper/lower flammability or explosive limits

Flammability limit - lower %: Not available

Flammability limit - Upper %: Not applicable

Explosive limit- lower %: Not available

Explosive limit- upper %: Not available

Vapor pressure: Not determined or unknown

Relative density: Not available

Water solubility: No information available

Auto ignition temperature: Not available

Decomposition temperature: Not available

Specific gravity: 1.00

SECTION 10. Stability and Reactivity

Reactivity: The product is stable and non reactive under normal conditions of use, storage and transport.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: Contact with incompatible materials

Conditions to avoid: Contact with incompatible materials.

Incompatible materials: Oxidizing agents, glass and metals.

Hazardous decomposition products: None.

SECTION 11. Toxicological information

Chemical	LD 50 Oral	LD 50 Dermal	LC Inhalation
Sulfuric Acid	2140 mg/kg (rat)	Not determined	347 ppm (rat) 1 hr.
Proprietary Ingredient	Not determined	Not determined	Not determined

Information on likely routes of exposure

Ingestion: Harmful if swallowed.

Inhalation: Avoid breathing vapors or mist.

Skin contact: Causes burns, redness, irritation.

Eye contact: Direct contact to eyes causes serious eye damage, redness, watering and blurry vision.

Information on Physical, Chemical and Toxicological Effects

Symptoms Please see section 4 of this SDS for symptoms

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity Note: The agencies below have listed strong inorganic acid mist, containing sulfuric acid as a known carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Sulfuric Acid	A2	Group 1	Known	X
Proprietary Ingredient	No	No	No	No

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1- Carcinogenic to Humans

OSHA Occupational Safety and Health Administration of the US Department of Labor

X- Present

NTP (National Toxicology Program)

Known - Known Carcinogen

No

STOT - Single Exposure None known

STOT - Repeated Exposure None known

Numerical Measures of Toxicity None Known

SECTION 12. Ecological Information

Eco toxicity

Chemical	Toxicity to Fish	Toxicity to Algae	Toxicity to Invertebrates
Sulfuric Acid	500 mg/l (96h: Brachydanio rerio)	Not determined	29 mg/l (24 h: Daphnia)
Propriety Ingredient	Not determined	Not determined	Not determined

Persistence and degradability: Readily biodegradable.

Bio accumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No other adverse environmental effects are expected from this product.

SECTION 13. Disposal Considerations

Waste treatment

Disposal Instructions: Dispose of contents in accordance with local/regional/national/international regulations.

Waste from residues / unused products: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number

Chemical Name	RCRA	RCRA-	RCRA-	RCRA-
No material components listed	N/A	Basis for Listing N/A	D Series Waste N/A	U Series Wastes N/A

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
No material components listed	

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SECTION 14. Transportation Information

DOT Proper Name: Compound Cleaning Liquid (Not Regulated)
 Hazard Class: N/A
 UN Number: N/A
 Packing Group: II

IATA Proper Name: Compound Cleaning Liquid (Not Regulated)
 Hazard Class: N/A
 UN Number: N/A

Packing Group: II

IMDG Proper Name: Compound Cleaning Liquid (Not Regulated)
 Hazard Class: N/A
 UN Number: N/A
 Packing Group: II

SECTION 15. Regulatory InformationInternational Inventories: Not determinedUS Federal Regulations**SARA 313**

Chemical Name	CAS NUMBER	% BY WEIGHT	SARA 313- Threshold Value%
Sulfuric Acid	111-76-2	Less than 1%	1.0%

CWA (Clean Water Act)

Chemical Name	CAS NUMBER	CWA - Reportable Quantities	CWA - Hazardous Substances
Sulfuric Acid	111-76-2	1000 lbs.	X

CERCLA

Chemical Name	Hazardous Substances RQ	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sulfuric Acid 111-76-2	1000 lbs.	1000 lbs.	RQ 1000 lbs. final RQ RQ 454 kg. final RQ

US Regulations

Chemical Name	California Proposition 65
Sulfuric Acid 111-76-2	Carcinogen

US State Right -to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sulfuric Acid 111-76-2	X	X	X

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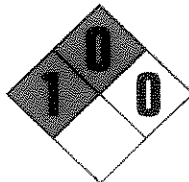
SECTION 16. Other Information

Issue Date: 05-14-15

Revision Date: None

Version: #1

NFPA rating

**Disclaimer:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of this publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates to the specific material designated and may not be valid for

such material used in combination with any other materials or in any process, unless specified in the text.

END OF SAFETY DATA SHEET

