



# SILVER BRITE PLUS MX

(Ready To Use Polished Aluminum Cleaner and Brightener)

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Silver Brite Plus MX

**General Use:** Aluminum & Stainless Steel Cleaner

**Product Description:** Clear Liquid with Slight Acidic Odor

### MANUFACTURER

Dakota AG Innovations, LLC  
40690 253rd Street  
Mitchell, South Dakota 57301  
605-996-7800

### EMERGENCY TELEPHONE NUMBERS:

Chemtrec (800)424-9300

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	wt%	CAS Registry #
Sulfuric Acid	Less Than 2%	7664-93-9
Ethoxylated C <sub>10</sub> -C <sub>12</sub> Alcohol	Less Than 1 %	66455-15-0

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

### EXPOSURE LIMITS 8 hrs TWA (ppm)

	<u>OSHA PEL</u>	<u>ACGIH-TLV</u>	<u>OTHER</u>
Sulfuric Acid	1 mg/M3	1 mg/M3	
Ethoxylated C <sub>10</sub> -C <sub>12</sub> Alcohol	Not Established	Not Established	

## 3. HAZARDOUS IDENTIFICATION

### EMERGENCY OVERVIEW

Undiluted material is corrosive. Wash all affected areas.  
If irritation persists, Seek immediate medical attention.

### POTENTIAL HEALTH EFFECTS:

Prolonged exposure to mist may cause slight irritation to throat and respiratory tract. The level of active ingredients in this product are not expected to cause adverse health effects. Product ingestion and accidental splashing of liquid into the eyes are the most adverse exposure pathways.

### EYE CONTACT:

Liquid contact with eyes can cause severe burning and irritation. Immediately follow first aid procedures if chemical is splashed in eyes.

**SKIN CONTACT:**

Prolonged direct skin contact may cause redness and burning of the skin. Irritation may not become apparent immediately after contact.

**INGESTION:**

If swallowed the sulfuric acid in this product will likely cause burning and damage to the throat and digestive tract.

**INHALATION:**

Sever exposure to high pressure mist can lead to respiratory tract irritation and shortness of breath.

**CHRONIC:**

There are no known chronic health effects related to this product.

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**4. FIRST AID MEASURES****EYE CONTACT:**

Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelid. Check for and remove any contact lenses. Call a physician immediately, seek medical attention.

**SKIN CONTACT:**

If material gets on the skin, immediately flush the contaminated skin with water for a period of not less than 15 minutes. Remove any contaminated clothing. If irritation persists seek immediate medical attention.

**INGESTION:**

Do not induce vomiting unless directed to by trained medical professional. If conscious give person large quantities of water to dilute the acid. Never attempt to give any liquid to an unconscious person.

**INHALATION:**

Immediately remove person to well ventilated area. Loosen tight fitting clothing. If breathing is difficult administer oxygen. Seek immediate medical attention.

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**5. FIRE FIGHTING MEASURES**

**Flashpoint and Method:** None

**Flammable Limits:** N/A

**Autoignition Temperature:** N/A

**GENERAL HAZARD:**

Will React with metals and can produce hydrogen gas.

**FIRE FIGHTING INSTRUCTIONS:**

Use water spray, dry chemical, foam or carbon dioxide.

**FIRE FIGHTING EQUIPMENT:**

Firefighters must be equipped with OSHA-approved self contained breathing apparatus to prevent breathing of vapors or products of combustion.

**HAZARDOUS COMBUSTION PRODUCTS:**

Emmits no corrosive fumes

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## 6. ACCIDENTAL RELEASE MEASURES

**LAND SPILL:** Notify the appropriate authorities immediately. Take all additional action necessary to prevent and remedy the adverse effects of the spill. Isolate hazard area and deny entry to unauthorized or unprotected personnel. Shut off leak if it is safe to do so. Avoid runoff into storm sewers and ditches, which lead to natural water ways. Neutralize with high pH detergent. Contain spilled liquid with sand or earth and absorb with inert material. Place waste in proper chemical waste container and dispose

of according to federal, state and local regulations.

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## 7. HANDLING AND STORAGE

**STORAGE TEMPERATURE:** Ambient.

**STORAGE PRESSURE:** Atmospheric

**GENERAL:**

- (1) Keep container closed. Loosen closure cautiously before opening.
- (2) Store in cool, well ventilated place away from incompatible materials such as oxidizing agents, clays, metals and reducing agents.
- (3) Follow all MSDS/label warnings; even after container is emptied.

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## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

**ENGINEERING CONTROLS:**

Provide exhaust ventilation or other engineering controls to keep airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash station and safety shower is available.

**PERSONAL PROTECTION:**

Chemical safety goggles. Do not wear contacts when working with any hazardous material. Wear skin protection consisting of acid resistant gloves and protective suit or chemical apron.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Vapor Pressure:** N/A

**Specific Gravity:** 1.4

**Solubility in Water:** Miscible with water

**PH:** Greater than 2

**Boiling Point:** Similiar to water

**Viscosity:** Not available

**Vapor Density:** N/A; Air=1

**Evaporation Rate:** Similiar to water

**Freezing Point :** Similiar to water

**Odor :** Slight acid

**Appearance:** Light green liquid

**Physical State:** Liquid

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## 10. STABILITY AND REACTIVITY

**GENERAL:**

This product is stable and hazardous polymerization will not occur.

**INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:**

Reactive with oxidizing agents and metals.

**HAZARDOUS DECOMPOSITION:**

Emits corrosive fumes under extreme heating or fire conditions.

11. TOXICOLOGICAL INFORMATION

TOXICITY TO ANIMALS:

Sulfuric Acid      ORAL (LD50)      Acute: 2140 mg/kg [Rat].

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Not available

BOD5 and COD: Not available

PRODUCTS OF BIODEGRADATION:

Products of biodegradation are less toxic than the product itself.

13. DISPOSAL CONSIDERATIONS

Ensure disposal compliance with the government requirements and ensure conformity to state and local regulations.

14. TRANSPORTATION INFORMATION

DOT (Department of Transportation)

DOT CLASSIFICATION: Compound Cleaning Liquid, Non Hazardous

DOT CLASS: Not Regulated

15. REGULATORY INFORMATION

TSCA (Toxic Substances Control Act):

Components of this product are listed on the TSCA inventory.

SARA Title III (Superfund Amendments and Reauthorization Act):

Components of this product are listed under this statute.

CERCLA (Comprehensive Response Compensation and Liability Act):

Components of this product are listed under this statute.

16. OTHER INFORMATION

NATIONAL FIRE PROTECTION ASSOCIATION

Health: 1  
Fire: 0  
Reactivity: 0

THE INFORMATION RELATES TO THIS SPECIFIC PRODUCT. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE. ALL MATERIALS MAY PRESENT UNKNOWN HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT EXIST. CERTAIN INFORMATION ON THIS MSDS MAY BE BASED ON SOURCES OTHER THAN DIRECT TESTS ON THIS PRODUCT. INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY IS EXPRESSED OR IMPLIED.