



MATERIAL SAFETY DATA SHEET

SILVER BRITE PLUS MX

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Date Created: Revised

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Silver Brite MX
General Use: Aluminum & Stainless Steel Cleaner
Product Description: Clear Liquid with Slight Citrus Odor

MANUFACTURER
Coyote Chemical Co.
1111 N Norbeck St
Vermillion, SD 57069

EMERGENCY TELEPHONE NUMBERS:
Chemtrec (800) 424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Table with 3 columns: Component, % by Wt, CAS #. Row: Sulfuric Acid, 1 - 2 %, 7664-93-9

Table with 4 columns: Component, OSHA PEL, EXPOSURE LIMITS 8 hrs TWA (ppm) ACGIH TLV, Other. Rows for Sulfuric Acid and Phosphoric Acid.

3. HAZARD IDENTIFICATION

Hazard Symbols: C
NFPA: Health: 1, Fire: 0, Reactivity: 0

EMERGENCY OVERVIEW

Material contains less than 3% total acid but has an acid pH and is corrosive. Avoid skin and eye contact. Wash any surfaces IMMEDIATELY with copious amounts of water. Seek medical attention for eye contact.

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EYE CONTACT:

Compound is acidic. Liquid contact with eyes can cause severe burning and eye irritation. Immediately use eyewash to remove from eyes and then seek medical attention.

SKIN CONTACT:

Corrosive to skin. Wash exposed skin with neutral soap.

INGESTION:

Not a likely route of exposure. If swallowed seek IMMEDIATE medical attention. Material is corrosive to the digestive tract.

INHALATION:

Components are not appreciably volatile unless heated. Concentrations are not likely to reach exposure limits unless a mist is generated. Mist will be very acidic and irritating to nose and mucous membranes.

CHRONIC:

No long term exposure effects.

4. FIRST AID MEASURES**INHALATION:**

Allow the victim to rest in a well-ventilated area. Seek immediate medical attention. In case of inhalation IDHL levels, evacuate the victim to a safe area as soon as possible. Loosen tight fitting clothes. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. See medical attention.

EYE CONTACT:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Do not use an eye ointment. Consult a physician if irritation persists after flushing eyes.

SKIN CONTACT:

Flush the affected area with large amounts of tempered running water. Speed of washing off product is of primary importance.

INGESTION:

Have the victim drink 3-4 glasses of water as quickly as possible to dilute the product. Do not induce vomiting. Do not give emetics or baking soda. Give several glasses of milk or several ounces of milk of magnesia for their soothing effect. Do not give anything by mouth to an unconscious person. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

Flashpoint and Method:	NA
Flammable Limits:	NA
Autoignition Temperature:	NA

GENERAL HAZARD:

Material is stable under normal conditions of temperature and pressure. Avoid contact with bases such as caustic soda. If heated, product will produce choking, irritating fumes of sulphuric and phosphoric acid.

FIRE FIGHTING INSTRUCTIONS:

use water spray to cool containers. Wear self-contained breathing apparatus and full protective clothing. Wash acid away from metal surfaces.

FIRE FIGHTING EQUIPMENT:

Mists and fumes are corrosive and harmful. Firefighters should wear self-contained breathing apparatus and full protective gear when fighting fires involving this product.

HAZARDOUS COMBUSTION PRODUCTS:

This material reacts with metal and may liberate hazardous quantities of hydrogen gas especially when heated.

6. ACCIDENTAL RELEASE MEASURES

LAND SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation and personal protective equipment. Material is miscible with water. For small spills neutralize with lime (calcium hydroxide) if possible.

WATER SPILL:

Product is miscible with water.

RECOMMENDED DISPOSAL:

This product as supplied, when discarded or disposed of, is a hazardous waste based on corrosivity. Small quantities could be neutralized to pH 7 and sewered in most jurisdictions.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Atmospheric

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GENERAL:

- (1) Keep container closed. Loosen closure cautiously before opening.
 - (2) Store in a cool, well-ventilated place away from incompatible materials such as oxidizing agents, reducing agents, acids and alkalis.
 - (3) Keep away from heat, sparks and flame.
 - (4) Protect material from direct sunlight.
 - (5) Ground and bond containers when transferring materials.
 - (6) Follow all MSDS/label warnings; even after container is emptied.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION**ENGINEERING CONTROLS:**

Provide eyewash and hand washing facilities. Provide exhaust ventilation or other engineering controls to maintain airborne levels below their respective Occupational Exposure Limits (OELs).

PERSONAL PROTECTION:

Eye protection and splash apron should be worn when working with this material. No respiratory protection required, if airborne vapor concentrations are maintained below the respective Occupational Exposure Limits (OELs) and there is no direct skin contact with the material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure:	N/A	Vapor Density:	Not Available
Specific Gravity:	1.6	Evaporation Rate:	Not Available
Solubility in Water:	Miscible	Freezing Point:	Not Available
pH:	<1	Odor:	Slight Citrus
Boiling Point:	Similar to Water	Appearance:	clear
Viscosity:	Not Available	Physical State:	Liquid

10. STABILITY AND REACTIVITY**GENERAL:**

Stable under normal temperatures and pressures.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Most common metals, organic materials, strong reducing agents, combustible materials, bases, and oxidizing agents.

HAZARDOUS DECOMPOSITION:

Acid fumes, sulfur dioxide, hydrogen

11. TOXICOLOGICAL INFORMATION**TOXICITY TO ANIMALS:**

<u>Component</u>	<u>Acute Test</u>	<u>Value</u>	<u>Species</u>
Sulfuric Acid	IHL-Rat	0.51 mg/l	Rat
Sulfuric Acid	UNR-Man	135 mg/kg	Man
Sulfuric Acid (25% soln)	ORL-Rat	2140 mg/kg	Rat

CHRONIC EFFECTS ON HUMANS:

No known chronic effects.

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

This material is defined as a hazardous material with respect to disposal based on corrosivity (pH). Ensure disposal in compliance with applicable regulatory requirements. The option to neutralize small amounts to pH 7 should be available in most jurisdictions.

14. TRANSPORT INFORMATION

The following proper shipping name, hazard class and packing group are in accordance to transportation regulations.

Mode of Transportation	Domestic Surface (USDOT)	Domestic Air	International Air (IATA)
UN Number	Not Regulated/Non Haz		
Proper Shipping Name			
Hazard Class			
Packing Group			
Hazard Label			
Handling Label(s)			
ERG#:			
Packaging Instructions:			

15. REGULATORY INFORMATION

Chemical Inventory Status

Ingredient	TSCA	EC	Japan	Canadian DSL
Sulfuric Acid	yes	yes	yes	yes

Applicable Rick "R" Codes:

R: 23, 24, 25, 35, 36, 37, 38, 49

Applicable Safety "S" Codes:

S: 23, 36, 37, 39, 45, 26, 15

16. OTHER INFORMATION

CREATION/REVISION SUMMARY:

Revised on February 23, 2009

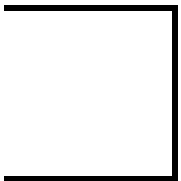
Cheryl Sykora, CIH, CSP, CHMM
LEGEND TECHNICAL SERVICES, INC.
88 Empire Drive
Saint Paul, Minnesota 55103
651-221-4085

THE INFORMATION RELATES TO THIS SPECIFIC INFORMATION. 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.

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