

VALCO CINCINNATI CONSUMER PRODUCTS INC.

SAFETY DATA SHEET

MATERIAL NAME: METAL PREP PART NUMBERS 710XX610, 710XX648, 710XX669, 710XX748

PART NUMBERS (KITS): 710XX376, 710XX608

PART NUMBERS (DISPLAYS): 710XX422, 710XX423

EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053

PRODUCT INFORMATION NO.: (513) 874-6550

DATE ISSUED: OCTOBER 2015

SECTION I – GENERAL INFORMATION

MANUFACTURER'S NAME: VALCO CINCINNATI, INCORPORATED

ADDRESS: 411 CIRCLE FREEWAY DRIVE, CINCINNATI, OHIO 45246

TRADE NAMES & SYNONYMS: ALUMINUM PREP/CLEANER

RECOMMENDED USE: Aluminum Prep Cleaner

SHELF LIFE: 3 YEARS

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

APPEARANCE: Clear light pink liquid

PHYSICAL STATE: Liquid

ODOR: Slight odor

CLASSIFICATION:

Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)

May be harmful if swallowed

SIGNAL WORD

DANGER

HAZARD STATEMENTS

Causes severe skin burns and eye damage



PRECAUTIONARY STATEMENTS-PREVENTION

Use personal protective equipment as required

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

PRECAUTIONARY STATEMENTS –RESPONSE

Immediately call a poison center or doctor/physician

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

IF ON SKIN: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.

IF SWALLOWED: Rinse mouth. DO NOT INDUCE VOMITING.

PRECAUTIONARY STATEMENTS-STORAGE

Store locked up

PRECAUTIONARY STATEMENTS-DISPOSAL

Dispose of contents/container to an approved waste disposal plant

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO	WEIGHT %
Ethylene Glycol Monobutyl Ether	111-76-2	1-5
Sulfuric Acid	7664-93-9	1-5
Ammonium Bifluoride	1341-49-7	1-5

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SECTION IV – FIRST AID MEASURES

FIRST AID MEASURES

GENERAL ADVICE	Provide SDS to medical personnel for treatment.
EYE CONTACT	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
SKIN CONTACT	Remove /take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician. Wash contaminated clothing before reuse.
INHALATION	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
INGESTION	If swallowed rinse mouth. DO NOT INDUCE VOMITING.

MOST IMPORTANT SYMPTOMS AND EFFECTS

SYMPTOMS	Causes severe skin burns and eye damage. May be harmful if swallowed.
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INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

NOTE TO PHYSICIAN	Treat symptomatically.
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SECTION V – FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

UNSUITABLE EXTINGUISHING MEDIA

Not determined.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Contact with soft metals may evolve flammable hydrogen gas. Use water spray to keep fire-exposed containers cool.

HAZARDOUS COMBUSTION PRODUCTS

Hydrogen sulfide. Hydrogen gas.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

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

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

PERSONAL PRECAUTIONS	Use personal protective equipment as required. Stay upwind and away from spill.
ENVIRONMENTAL PRECAUTIONS	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section XII, Ecological Information.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

METHODS FOR CONTAINMENT	Prevent further leakage or spillage if safe to do so.
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METHODS FOR CLEAN-UP Absorb with inert material or sweep up, and then place in suitable container for chemical waste. Dispose of in accordance with federal, state and local regulations.

SECTION VII – HANDLING AND STORAGE**PRECAUTIONS FOR SAFE HANDLING**

ADVICE ON SAFE HANDLING Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

STORAGE CONDITIONS Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up.

INCOMPATIBLE MATERIALS Cyanides. Sulfides. Metals.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION**EXPOSURE GUIDELINES**

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene Glycol Monobutyl Ether 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³
Sulfuric Acid 7664-93-9	TWA: 0.2 mg/m ³ thoracic fraction	TWA: 1 mg/m ³ F (vacated) TWA: 1 mg/m ³	IDLH: 15 mg/m ³ TWA: 1 mg/m ³
Ammonium bifluoride 1341-49-7	TWA: 2.5 mg/m ³ F	TWA: 2.5 mg/m ³ F TWA: 2.5 mg/m ³ dust (vacated) TWA: 2.5 mg/m ³	TWA: 2.5 mg/m ³ F

APPROPRIATE ENGINEERING CONTROLS

ENGINEERING CONTROLS Apply technical measures to comply with the occupational exposure limits. Showers. Eyewash stations. Ventilation systems.

INDIVIDUAL PROTECTION MEASURES / PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION Chemical splash goggles.

SKIN/BODY PROTECTION Always use PVC or neoprene gloves. Wear suitable protective clothing and footwear appropriate for the risk of exposure.

RESPIRATORY PROTECTION In case of inadequate ventilation wear respiratory protection.

GENERAL HYGIENE Handle in accordance with good industrial hygiene and safety practice.

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Physical State	Liquid	Odor	Slight odor
Appearance	Clear light pink liquid	Odor Threshold	Not determined
Color	Light pink		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	3-4		
Melting Point/Freezing Point	0 °C / 32 °F		
Boiling Point/Boiling Range	100 °C / 212 °F		
Flash Point	None to boiling		
Evaporation Rate	1		(butyl acetate = 1)
Flammability (Solid, Gas)	Liquid- Not Applicable		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	17.5 mmHg		@ 20°C (68°F)
Vapor Density	<1		(Air=1)
Specific Gravity	1.009		(Water = 1)
Water Solubility	Incomplete		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		

SECTION X – STABILITY AND REACTIVITY**REACTIVITY**

Not reactive under normal conditions.

CHEMICAL STABILITY

Stable under recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS

None under normal processing.

HAZARDOUS POLYMERIZATION Hazardous polymerization does not occur.**CONDITIONS TO AVOID**

Keep out of reach of children.

INCOMPATIBLE MATERIALS

Cyanides. Sulfides. Metals.

HAZARDOUS DECOMPOSITION PRODUCTS

Hydrogen sulfide. Hydrogen gas.

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SECTION XI – TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE

- EYE CONTACT** Causes severe eye damage.
- SKIN CONTACT** Causes severe skin burns.
- INHALATION** Do not inhale.
- INGESTION** May be harmful if swallowed.

COMPONENT INFORMATION

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Ethylene Glycol Monobutyl Ether 111-76-2	=470 mg/kg (Rat)	=99 mg/kg (Rabbit)	=450 ppm (Rat) 4 h
Sulfuric Acid 7664-93-9	=2140 mg/kg (Rat)	-	=510 mg/m ³ (Rat) 2 h
Ammonium bifluoride 1341-49-7	=130 mg/kg (Rat)	-	-
Nonylphenol Ethoxylate 127087-87-0	=1310 mg/kg (Rat)	-	-

INFORMATION ON PHYSICAL, CHEMICAL AND TOXICOLOGICAL EFFECTS

- SYMPTOMS** Please see Section IV of this SDS for symptoms.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE

- CARCINOGENICITY** The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested. IARC has classified “strong inorganic acid mist containing sulfuric acid” as a Category 1 carcinogen, substance that is carcinogenic to humans. This classification does not apply to liquid forms of sulfuric acid. Inorganic mist is not generated under normal use of this product.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethylene Glycol Monobutyl Ether 111-76-2	A3	Group 3		
Sulfuric Acid 7664-93-9	A2	Group 1	Known	X
Ammonium bifluoride 1341-49-7		Group 3		

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 3 IARC components are "not classifiable as human carcinogens"

NTP (National Toxicology Program)

Known - Known Carcinogen

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

X - Present

NUMERIC MEASURES OF TOXICITY

Not determined

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The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ethylene Glycol Monobutyl Ether 111-76-2		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50		1000: 48 h Daphnia magna mg/L EC50 1698 - 1940: 24 h Daphnia magna mg/L EC50
Sulfuric Acid 7664-93-9		500: 96 h Brachydanio rerio mg/L LC50 static		29: 24 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
Ethylene Glycol Monobutyl Ether 111-76-2	0.81

Other Adverse Effects

Not determined

SECTION XIII - DISPOSAL**Waste Treatment Methods****Disposal of Wastes**

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.

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Sulfuric Acid 7664-93-9	Toxic Corrosive

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Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No UN1760
Proper Shipping Name Corrosive liquid, n.o.s. (Sulfuric acid, Ammonium bifluoride)
Hazard Class 8
Packing Group II

IATA

UN/ID No UN1760
Proper Shipping Name Corrosive liquid, n.o.s. (Sulfuric acid, Ammonium bifluoride)
Hazard Class 8
Packing Group II

IMDG

UN/ID No UN1760
Proper Shipping Name Corrosive liquid, n.o.s. (Sulfuric acid, Ammonium bifluoride)
Hazard Class 8
Packing Group II

SECTION XV – REGULATORY INFORMATION**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Ethylene Glycol Monobutyl Ether	Present	X		Present		Present	X	Present	X	X
Sulfuric Acid	Present	X		Present		Present	X	Present	X	X
Ammonium bifluoride	Present	X		Present		Present	X	Present	X	X

Legend:*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS - Japan Existing and New Chemical Substances**IECSC - China Inventory of Existing Chemical Substances**KECL - Korean Existing and Evaluated Chemical Substances**PICCS - Philippines Inventory of Chemicals and Chemical Substances**AICS - Australian Inventory of Chemical Substances*

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This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sulfuric Acid 7664-93-9	1000 lb	1000 lb	RQ 1000 lb final RQ RQ 454 kg final RQ
Ammonium bifluoride 1341-49-7	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Ethylene Glycol Monobutyl Ether - 111-76-2	111-76-2	4	1.0
Sulfuric Acid - 7664-93-9	7664-93-9	3.6	1.0
Ammonium bifluoride - 1341-49-7	1341-49-7	2	1.0

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sulfuric Acid	1000 lb			X
Ammonium bifluoride	100 lb			X

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Sulfuric Acid - 7664-93-9	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethylene Glycol Monobutyl Ether 111-76-2	X	X	X
Sulfuric Acid 7664-93-9	X	X	X
Ammonium bifluoride 1341-49-7	X	X	X

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SECTION XVI – OTHER INFORMATION

NFPA

Health Hazards

Flammability

Instability

Special Hazards

2

0

0

Not determined

HMIS

Health Hazards

Flammability

Physical Hazards

Personal Protection

Not determined

Not determined

Not determined

Not determined

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE; OBTAINED FROM SOURCES BELIEVED BY VALCO CINCINNATI, INC. TO BE ACCURATE. SINCE THE CONDITIONS AND METHODS OF USE OF OUR PRODUCT ARE BEYOND OUR CONTROL, WE DISCLAIM ANY AND ALL LIABILITY ARISING OUT OF THE IMPROPER USE OF THIS PRODUCT OR THE INFORMATION PROVIDED HERE WITH.