



SAFETY DATA SHEET

Section 1: Identification

Product Name: Max Acid Clean
Chemical Name/Synonyms: Sulfuric Acid Solution
Company:

DISTRIBUTOR INFORMATION:

Remix Chem, LLC
2202 S Figueroa St. #528
Los Angeles, CA 90007
www.remixchem.com

CHEMTREC EMERGENCY INFORMATION:

For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC 24 Hours
1-800-424-9300 / +1 703-527-3887
CCN: 1002199

Section 2: Hazard(s) Identification

Hazard Classification:

Serious Eye Damage	Category 1
Corrosive to metals	Category 1
Skin corrosion	Category 1B
Specific Target Organ Toxicity Single Exposure	Category 3
Acute Aquatic Toxicity	Category 3
Chronic Aquatic Toxicity	Category 3

Signal Word(s): Danger

Pictograms:



Hazard Statements:

- H318 Causes serious eye damage
- H335 May cause respiratory irritation
- H290 May be corrosive to metals
- H314 Causes severe skin burns and eye damage
- H412 Harmful to aquatic life with long lasting effects

Precautionary Statements:

- P234 Keep only in original container.
- P264 Wash hands/exposed skin thoroughly after handling.
- P271 Do not eat, drink or smoke while using this product.
- P280 Wash goggles/gloves/other PPE thoroughly after handling
- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P362 Take off contaminated clothing and wash before reuse.
- P390 Absorb spillage to prevent material damage.
- P401 Store locked up.
- P406 Store in a corrosive resistant container with a resistant inner liner.
- P501 Dispose of contents/container to an approved waste disposal plant.

Description of other hazards:

Section 3: Composition/ Information on Ingredients

Chemical Name		Synonym	CAS#	Conc.
Sulfuric Acid		H2SO4	7664-93-9	<=35%
Proprietary Surfactant Blend		-	-	65%

Section 4: First-Aid Measures

After skin contact: Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Rinse skin with lukewarm, gently flowing



After eye contact:

water/shower with a flushing duration of 15 minutes. Immediately call POISON CENTER/doctor. Wash contaminated clothing before re-use. Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes. Take care not to rinse contaminated water into the unaffected eye or into the face. Immediately call a POISON CENTER/doctor. Continue rinsing until medical aid is available.

After inhalation:

Get medical advice if you feel unwell or are concerned.

After swallowing:

Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents:

Water spray, Foam carbon dioxide (CO2), Dry powder,

Unsuitable extinguishing agents:

None known

Special hazards arising from the substance:

Hot or molten material can react violently with water. Can react with certain metals, such as aluminum, to generate flammable Hydrogen gas.

Hazardous Combustion Products:

May cause fire and explosions when in contact with incompatible materials. May generate sulfur oxides

Special protective equipment for firefighters:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.

NFPA

Health:

3

Flammability:

0

Instability:

2

Physical Hazards:

W<>OX

Section 6: Accidental Release Measures

Personal precautions:

Ensure adequate ventilation. Especially in confined areas. Do not breathe vapors, aerosols. Avoid substance contact. Keep away from heat and ignition sources. Evacuate the danger areas. Wear protective gloves/protective clothing and eye/face protective gear when handling.

Measures for environmental protection:

Prevent product from entering drains.

Measures for cleaning/collecting:

SMALL SPILLS (less than 1 gallon): Neutralize with soda ash or



cover with dry earth, sand or other non combustible material, place into loosely covered plastic containers for later disposal. If neutralized, material can be diluted into drain. **LARGE SPILL:** Restrict access to area until completion of clean up. Prevent liquid from entering sewers or waterways. Stop or reduce leak if safe to do so. Dike with inert material (sand, earth, etc.). Collect into plastic containers for disposal. Ensure adequate decontamination of tools and equipment following clean up.

Special spill response procedures: Collect spills in plastic containers only. Prevent from entering sewers, waterways, or low areas.

Section 7: Handling and Storage

Handling: Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

Storage: Keep product in tightly closed container when not in use. Do not drop, roll, or skid drum. Store in a cool, dry, well-ventilated area away from heat or open flame. Hygroscopic Storage Class: (TRGS 510): Non-combustible, corrosive hazardous materials

Incompatible Materials: Alkalis, oxidizing agents, metals, bases and organic materials.

Section 8: Exposure Controls/Personal Protection

Chemical Name	OSHA REL	NIOSH PEL	ACGIH TLV	Mexico OEL (TWA)
Sulfuric Acid	STEL: 1 mg/m ³		TWA: 0.2 mg/m ³	

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH IDLH: The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health

Predicted No Effect Concentration

Compartment	Value
Marine Water	0.00025 mg/L
Fresh Water	0.0025 mg/L
Marine Sediment	0.002 mg/kg
Fresh Water Sediment	0.002 mg/kg
On-site Sewage Treatment Plant	8.8 mg/L

General protective and hygienic measures:

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industry hygiene and safety practice.

Breathing equipment:

Not a respiratory irritant unless dealing with a mist form, then wear appropriate NIOSH respirator.

Skin and Body Protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact

Material: Fluorinated rubber

Minimum layer thickness: 0.7 mm

Break through time: 480 min

Material tested: Vitoject® (KCL 890 / Aldrich Z677698, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.2 mm

Break through time: 30 min

Material tested: Dermatril® P (KCL 743 / Aldrich Z677388, Size M)

Eye protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses and or face shield.

Control of

environmental exposure:

Do not allow to enter drains/surface water

Section 9: Physical and Chemical Properties

Form:	Liquid
Color:	Clear
Odor:	Odorless
Odor threshold:	No data available
pH:	1.2 @ 5 g/L
Melting point/melting range:	N/A
Boiling point/boiling range:	N/A
Flash point:	N/A
Evaporation rate:	N/A
Flammability (solid,gas):	N/A

Upper/lower flammability or explosive limits:	N/A
Auto ignition temperature:	N/A
Vapor pressure:	N/A
Vapor density:	N/A
Relative density:	1.265 g/cm ³ at 25 °C (77 °F)
Solubility in/Miscibility with water:	Soluble
Partition Coefficient n/octanol-water	N/A

Section 10: Stability and Reactivity

Reactivity:	Reactive with certain acids, reducing agents, organic materials, metals, bases and alkalis.
Chemical stability:	This product is chemically stable under ambient conditions.
Possibility of Hazardous Reactions:	Reactive with oxidizing agents, reducing agents, metals, bases and alkalis.
Conditions to avoid:	Incompatible materials
Incompatible materials:	Reactive with bases, metals, halides, organic materials, carbides, fulminates, nitrates, picrates, cyanides, chlorates, alkali halides, zinc salts, permanganates, hydrogen peroxide, azides perchlorates, nitromethane, phosphorus, Reacts violently with: cyclopentadiene, cyclopentanone oxide, nitroaryl amines, hexalithium disilicide, phosphorus (III) oxide, powdered metals
Hazardous decomposition products:	Potentially dangerous sulfur oxides.

Section 11: Toxicological Information

<u>Potential routes of exposure/potential health effects</u>			
Oral LD50:	2140 mg/kg - Rat		
Dermal LD50:	No Data Available		
Vapor LC50:	510 mg/m ³		
Component	LD50 (Oral)	LD50 (Dermal)	LD50 (Inhalation)
Sulfuric Acid	>2000 mg/kg (rat)	No information available	No information available
Toxicologically Synergistic Products:	No data available		
Skin:	Corrosive! Contact with skin causes irritation or severe burns and scarring with greater exposures.		
Eye:	Corrosive! Causes irritation of eyes, and with greater exposures it can cause burns that may result in permanent impairment of vision, even blindness.		
Inhalation:	Inhalation of the mist may produce severe irritation of		

Ingestion:	respiratory tract, characterized by coughing, choking, shortness of breath, headaches, dizziness, nausea, weakness and/or drowsiness. Corrosive! Swallowing causes severe burns of mouth, throat, and stomach. Severe scarring of tissue, corrosion, permanent tissue destruction and death may result. Symptoms may include severe pain, nausea, vomiting, diarrhea, shock, hemorrhaging and/or fall in blood pressure. Damage may appear days after exposure.
Carcinogenicity:	No components are listed as carcinogens by ACGIH, IARC, OSHA, or NTP.
Mutagenicity:	Not known to have mutagenic effects in humans or animals.
Reproductive Effects:	No known reproductive effects in humans or animals.
Specific target organ effects:	No information available

Section 12: Ecological Information (non-mandatory)

Ecotoxicity:	
Fish:	LC50 Gambusia affinis (Mosquito fish) - 42 mg/l - 96 h
Aquatic Invertebrates:	EC50 - Daphnia magna (Water flea) - 29 mg/l - 24 h
Persistence and degradability:	The methods for determining the biological degradability are not applicable to inorganic substances
Bioaccumulation potential:	Not expected to bioaccumulate
Mobility in Soil:	No information available

Section 13: Disposal Considerations (non-mandatory)

Disposal of Waste:	Disposal should be in accordance with applicable, regional, national and local laws and regulations. Contact a licensed professional waste disposal service to dispose of this material.
RCRA:	If product becomes a waste, it does meet the criteria of a hazardous waste as defined by the US EPA, because of: Corrosivity D002

Section 14: Transport Information (non-mandatory)

DOT:	<ul style="list-style-type: none"> ● UN/ID No: 1830 ● PSN: Sulfuric acid ● Packaging group: II ● ADR/RID class: 8 ● Reportable Quantity: 1000 lbs.
Air transport ICAO-TI and IATA-DGR:	<ul style="list-style-type: none"> ● UN/ID No: 1830 ● PSN: Sulfuric acid ● Packaging Group: II



- **ICAO/IATA Class:** 8

IMDG

- **UN/ID No:** 1830
- **PSN:** Sulfuric acid
- **Packaging Group:** II
- **IMDG Class:** 8
- **EMS-No:** F-A, S-B

Section 15: Regulatory Information (non-mandatory)

US Federal Regulations

SARA Section 355 (extremely hazardous substances):

The following components are subject to reporting levels established by SARA Title III, Section 302:

	CAS-NO	Revision Date
Sulfuric Acid	7664-93-9	2007-07-01

SARA Section 313 (specific toxic chemical listings):

The following components are subject to reporting levels established by SARA Title III, Section 302:

	CAS-NO	Revision Date
Sulfuric Acid	7664-93-9	2007-07-01

SARA 311/312 Hazard Categories:

Acute health hazard	Yes
Chronic health hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

CWA:

This product as supplied does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA:

This product as supplied does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

California Proposition 65:

