Safety Data Sheet
PH Adjust Minus

SECTION I - IDENTIFICATION

Rite-Kem, Inc.
645 Westmoreland Drive
Tupelo, MS 38801
(662) 840-6060
Chemtrec :..... (800) 424-9300

Product Number	PH-MINUS
Product Name	PH Adjust Minus
Synonyms	
CAS Number	7664-93-9
Date Prepared	3/5/2015
Revision Number	4/19/2018
Recommended Use	Industrial Use Only

SECTION II - HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Classification

Corrosive to Metals	Category 1
Skin Corrosion/Irritation	Category 1A, B, C
Serious Eye Damage/Eye Irritation	Category 1

DANGER!

GHS LABEL:

Hazard Statements

H290	May be corrosive to metals
H314	Causes severe burns and eye damage
H318	Causes serious eye damage

Precautionary Statements

P234	Keep only in original packaging
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash... thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+340	IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so - continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P321	Specific treatment (see … on this label).
P363	Wash contaminated clothing before reuse.
p390	Absorb spillage to prevent material damage.
P405	Store locked up.
P406	Store in a corrosive resistant/... container with a resistant inner liner.
P501	Dispose of contents/container to…

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

Component Name	CAS #	Component%	OSHA PEL	ACGIH TLV
Sulfuric Acid	7664-93-9		1 mg/m³ (Ceiling)	1 mg/m³ (Ceiling)

SECTION IV - FIRST AID MEASURES

Contact with eyes: Flush with water for 15 minutes. Seek immediate medical attention.

Skin contact: Wash exposed areas with water and mild soap. Remove contaminated clothing immediatelyand launder before reuse. If irritations persist, seek immediate medical attention.

Inhalation: Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.

Ingestion: If swallowed. Do not induce vomiting. Seek immediate medical attetntion.

SECTION V - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water fog, foam, CO2, dry chemical.

Special Fire Fighting Procedures Use self-contained breathing apparatus and full bunker gear in fire areas. Evacuate all unprotected personnel from area. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water used for cooling.

Unusual Fire Fighting Hazards: Contact with reactive metals can generate hydrogen gas, which is flamable. Water mixed with acid evolves extreme heat and can cause spattering.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate all unprotected personnel from the area.

Environmental Precautions: Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers or waterways. Notify proper authorities.

Methods for Cleaning Up: Cover with sodium bicarbonate or a soda ash/slaked lime minture (50/50). Mix and add water if necessary to form a slurry and complete neatralization. Scoop up slurry and wash site with soda ash solution.

SECTION VII - HANDLING AND STORAGE

Handling and Storage:

- Keep containers tightly closed when not in use.
- If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional ventilation or exhaust systems may be required.

SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:

Component Name	CAS #	OSHA PEL	ACGIH TLV
Sulfuric Acid	7664-93-9	1 mg/m³ (Ceiling)	1 mg/m³ (Ceiling)

Engineering Controls: Adequate local or mechanical to reduce vapor or mist to below the PEL or TLV.

Monitoring: Follow accepted work practices for handling a corrosive material.

Personal Protective Equipment (PPE)

Eye Protection: Goggles or approved OSHA device with side shields; do not wear contact lenses when handling this product.

Skin Protection: Impervious solvent resistent gloves. Impervious apron and work boots recommend where splashing may occur.

Respiratory Protection: Use the proper respirator in areas where the chemical exposure is unknownor above the OSHA PEL or ACGIH TLV.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear to slightly hazy liquid
Odor	Sulfuric odor
pH@25°C	1.0 - 2.0 (1% in water)
Melting/Freezing Point	No Data Available
Flashpoint	No Data Available
Specific Gravity	1.836
Soluability	Soluable
Auto-Ignition Temperature	No Data Available
Decomposition Temperature	No Data Available
VOC Content	No Data Available
Odor Threshold	
Boiling Range	530°F
Evaporation Point	< 1 (Butyl Acetate = 1)
Flammable Limits - Upper	No Data Available
Flammable Limits - Lower	No Data Available
Vapor Pressure	< 1 mmHg @ 20°C
Vapor Density (Air=1)	3.4
Viscosity	No Data Available

SECTION X - STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Material is very corrosive and will attack most metals and evolve hydrogen gas.

Hazardous Decomposition/Byproducts: Reaction with reactive metals may produce flammable hydrogen; reaction with bases can be violent and produces extreme heat.

Hazardous Polymerization: Will not occur.

Polymerization Conditions to Avoid: None

Incompatibilities: Strong Oxidizers and bases
Metals

SECTION XI - TOXICOLOGICAL INFORMATION

Likely Route of Exposure: Contact and inhalation; ingestion possible.

Inhalation: Can cause damage to nasal and respiratory passages.

Eye Contact: Will cause severe burns on contact and will damage the eyes.

Skin Contact: Causes burns, possible deep ulceration.

Ingestion: Causes severe damage to mucous membranes and deep tissues, a result in death on penetration to vital areas.

Toxicity:

Component Name	LD50	LC50
Sulfuric Acid	Oral - rat - 2140 mg/kg	Inhalation - mouse - 320 mg/m3/2H; Inhalation - rat - 51-

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity: Information not available.

Mobility: Information not available.

Degradability: Information not available.

BioAccumulation: Information not available.

SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Follow Federal, state, and local regulations.

SECTION XIV - TRANSPORT INFORMATION

DOT SHIPPING INFORMATION

Proper Shipping Name: Sulfuric Acid

Contains:
Hazard Class and Label: 8
Identification Number: UN1830
Packaging Group: II
Other Shipping Info:

SECTION XV - REGULATORY INFORMATION

TSCA STATUS:..... The components of this product are listed on the TSCA Inventory

SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

Component Name	CAS #	% by wt.	RQ (lbs.)	TPQ (lbs.)
Sulfuric Acid	7664-93-9	93%		1,000

SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:

Acute	Chronic	Fire	Pressure	Reactive
X	X			X

SARA TITLE III SECTION 313 SUPPLIER INFORMATION:

No chemicals in this material are subject to the reporting requirements.

CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:

Component Name	CAS #	% by wt.	RQ (lbs.)
Sulfuric Acid	7664-93-9	93%	1,000

CALIFORNIA PROPOSITION 65:

No chemicals in this material are subject to the reporting requirements.

SECTION XVI - OTHER INFORMATION

HMIS Health: 3
HMIS Flammability: 0
HMIS Reactivity: 2

Additional:

Specification Information

Department issuing data sheet:	Quality Control
Email address:	customerservice@ritekem.com
Training necessary:	Follow product use instructions listed on the label. Any additional questions, contact Customer Service at 662-840-6060 or email customerservice@ritekem.com.

Disclaimer:

The information in this Safety Data Sheet and product label is believed to be accurate and reliable as of the date issued. Rite-Kem makes no warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or course of performance or usage of trade. Accordingly, Rite-Kem will not be responsible for damages resulting from use of or reliance upon this information. The user is responsible for determining whether the Rite-Kem product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application on a Rite-Kem product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the Rite-Kem product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.