



# RFSA1590 SULFURIC ACID 0.5N

## 5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	(F): Not determined	(C): Not determined
METHOD:	TCC	
FLAMMABLE LIMITS IN AIR		
LOWER (%):	NE	
UPPER (%):	NE	
SENSITIVITY TO MECHANICAL IMPACT(Y/N):	NO	
SENSITIVITY TO STATIC DISCHARGE:	Sensitivity to static discharge is not expected.	
SUITABLE EXTINGUISHING MEDIA:	Dry chemical. Foam. Carbon dioxide.	
FIRE FIGHTING PROCEDURES:	Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.	

## 6. ACCIDENTAL RELEASE MEASURES

### SPILL PROCEDURES:

SMALL SPILLS:	Pick up with absorbant material.
LARGE SPILLS:	Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

PERSONAL PRECAUTIONS:	Not applicable
ENVIRONMENTAL PRECAUTIONS:	Not applicable
METHODS FOR CLEANING UP:	Not applicable

## 7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:	Keep container closed. Store in a cool, dry location away from incompatible materials. Wash thoroughly after handling. Emptied containers may retain hazardous properties. Do not cut, puncture or weld on or near the container.
OTHER PRECAUTIONS:	No other spill procedures necessary.
SPECIFIC USE(S):	Not applicable.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:	Exhaust ventilation.
RESPIRATORY PROTECTION:	Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.
PROTECTIVE GLOVES:	Chemical resistant gloves are recommended to minimize skin contact.
EYE PROTECTION:	Safety glasses are recommended to minimize eye contact.
OTHER PERSONAL PROTECTION EQUIPMENT:	Eyewash fountains and safety showers must be easily accessible. It is the responsibility of the end user of this product to determine level of PPE required that is consistent with safe use of this product.
VENTILATION:	Use local exhaust ventilation as needed if spill occur.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Clear, colorless liquid.	
BOILING POINT (F):	212°	(C) 100°
VAPOR PRESSURE:	NA	
VAPOR DENSITY (AIR=1):	NA	
SOLUBILITY IN WATER:	Not determined	
SPECIFIC GRAVITY:	1	
VOC Content (%):	Not determined	
EVAPORATION RATE:	Not determined	
PH:	< 1	

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

## 10. STABILITY AND REACTIVITY

**STABILITY DATA:** STABLE  
**POLYMERIZATION:** Will Not Occur.  
**HAZARDOUS DECOMPOSITION:** Oxides of Sulfur.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Organic matter. Chlorates. Alkalines. Reducing agents. Nitrates. acetic acid Oxidizing materials. Metals.  
**CONDITIONS/HAZARDS TO AVOID:** Keep away from heat, sparks and flame. Contact with certain metals produces hydrogen gas.

## 11. TOXICOLOGICAL INFORMATION

**ACUTE TOXICITY:** Not Established  
**EFFECTS OF CHRONIC EXPOSURE:** Not established.  
**OTHER TOXIC EFFECTS:** Not established.

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** No data at this time  
**CHEMICAL FATE INFORMATION:** No data at this time.  
**MOBILITY:** Not applicable.  
**PERSISTENCE/DEGRADABILITY:** Not applicable  
**BIOACCUMULATIVE POTENTIAL:** Not applicable  
**OTHER ADVERSE EFFECTS:** Not applicable

## 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHODS:** Dispose in accordance with Federal, State and Local regulations.

## 14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

## 15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Sulfuric acid 7664-93-9	< 2	Listed	Listed	Listed	Not Listed
WATER 7732-18-5	>98	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Sulfuric acid 7664-93-9	< 2	1000 lb 454 kg	1000 lb RQ = 1000 lb TPQ	= 1.0 % de minimis concentration acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size
WATER 7732-18-5	>98	Not Listed	Not Listed	Not Listed

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<b>PRODUCT COMPOSITION CAS#</b>	<b>%</b>	<b>Canada WHMIS:</b>
Sulfuric acid 7664-93-9	< 2	Listed
WATER 7732-18-5	>98	Listed

The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels.

<b>PRODUCT COMPOSITION CAS#</b>	<b>%</b>	<b>MARTK:</b>
Sulfuric acid 7664-93-9	< 2	Listed

The following components of this material are included in the New Jersey Substance List and are present at or above reportable levels.

<b>PRODUCT COMPOSITION CAS#</b>	<b>%</b>	<b>NJRTK:</b>
Sulfuric acid 7664-93-9	< 2	Listed

The following components of this material are included in the Pennsylvania Substance List and are present at or above reportable levels.

<b>PRODUCT COMPOSITION CAS#</b>	<b>%</b>	<b>PARTK:</b>
Sulfuric acid 7664-93-9	< 2	Listed

## 16. OTHER INFORMATION

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

\*\*\* END OF MSDS \*\*\*