

SULFAMIC ACID XTAL

REVISION OF: 07-21-87

STILL PRO

SHIP TO:

17010427  
DURASTILL INC  
4200 BIRMINGHAM ROAD

ORDER NO: 179500490  
PROD NO: 04190611

N KANSAS CITY MO 64117  
ATTN: PRESIDENT

VAN WATERS & ROGERS INC. 1600 NORTON BLDG. SEATTLE, WA 98104-1564

-----EMERGENCY ASSISTANCE-----

FOR EMERGENCY ASSISTANCE INVOLVING CHEMICALS CALL CHEMTREC  
(800) 424-9300.

-----FOR PRODUCT AND SALES INFORMATION-----

CONTACT YOUR LOCAL VAN WATERS & ROGERS BRANCH OFFICE

-----PRODUCT IDENTIFICATION-----

PRODUCT NAME: SULFAMIC ACID  
COMMON NAMES/SYNONYMS: AMINOSULFURIC  
ACID; AMINOSULFONIC ACID

CAS NO.: 5329-14-6  
VW&R CODE: T1192

FORMULA: H SO3 NH2  
HAZARD RATING (MANUFACTURER)  
HEALTH: 3  
FIRE: 0  
REACTIVITY: 0  
SPECIAL: NONE

DATE ISSUED: 09/86  
SUPERCEDES: 03/86  
HAZARD RATING SCALE:  
0=MINIMAL 3=SERIOUS  
1=SLIGHT 4=SEVERE  
2=MODERATE

-----HAZARDOUS INGREDIENTS-----

COMPONENT	CAS NO.	%	EXPOSURE LIMITS, MG/M3			HAZARD
			OSHA PEL	ACGIH TLV	OTHER LIMIT	
SULFAMIC ACID	5329-14-6	92.2	NONE	NONE	1 (DUPONT)	IRRITANT
SULFURIC ACID	7664-93-9	3.5	1	1	NONE	CORROSIVE
AMMONIUM BISULFATE	7803-63-6	3.5	NONE	NONE	NONE	NONE

-----PHYSICAL PROPERTIES-----

BOILING POINT, DEG F: 408 (DECOM) VAPOR PRESSURE, MM HG/20 DEG C: N/A  
MELTING POINT, DEG F: 401 VAPOR DENSITY (AIR=1): N/A  
SPECIFIC GRAVITY (WATER=1): 2.125 WATER SOLUBILITY, %: 17.7  
APPEARANCE AND ODOR: EVAPORATION RATE (BUTYL ACETATE=1): NIL  
WHITE TO OFF-WHITE CRYSTALS; ODORLESS

-----FIRST AID MEASURES-----

IF INHALED: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET IMMEDIATE MEDICAL ATTENTION.

IN CASE OF EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LOTS OF RUNNING WATER FOR 15 MINUTES, LIFTING THE UPPER AND LOWER EYELIDS OCCASIONALLY. IMMEDIATE MEDICAL ATTENTION.

5114 KRO

-----SPECIAL PRECAUTIONS-----

STORAGE AND HANDLING PRECAUTIONS: STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM INCOMPATIBLE MATERIALS. KEEP BAGS OR FIBER DRUMS DRY AT ALL TIMES. WASH THOROUGHLY AFTER HANDLING. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING.

REPAIR AND MAINTENANCE PRECAUTIONS: DO NOT CUT, GRIND, WELD, OR DRILL IN OR NEAR THIS CONTAINER.

OTHER PRECAUTIONS: CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, WILL RETAIN PRODUCT RESIDUE AND VAPORS. ALWAYS OBEY HAZARD WARNINGS AND HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL.

-----FOR ADDITIONAL INFORMATION-----

CONTACT DOUGLAS EISNER, TECHNICAL DIRECTOR, VAN WATERS & ROGERS INC. DURING BUSINESS HOURS, PACIFIC TIME (206)447-5911

-----NOTICE-----

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MATERIAL SAFETY DATA SHEET

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-----REVISION-----

09/86: CORRECTED NFPA REFERENCE. ADDED COMPONENT INFORMATION. REVISED PERSONAL PROTECTION, FIRE FIGHTING INFORMATION, SPILL AND LEAK PROCEDURES, AND HANDLING ADVICE.

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

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