

ASHLAND CHEMICAL COMPANY -- SULFURIC ACID REAG ACS -- 6810-00-146-7520

=====  
Product Identification  
=====

Product ID:SULFURIC ACID REAG ACS  
MSDS Date:01/01/1987  
FSC:6810  
NIIN:00-146-7520  
MSDS Number: BDCKH  
=== Responsible Party ===  
Company Name:ASHLAND CHEMICAL COMPANY  
Box:2219  
City:COLUMBUS  
State:OH  
ZIP:43216  
Country:US  
Info Phone Num:614-790-3333  
Emergency Phone Num:606-324-1133  
CAGE:5A188

===

Contractor Identification ===  
Company Name:ASHLAND CHEMICAL CO  
Address:5200 PAUL BLAZEL MEMORIAL PARKWAY  
Box:City:DUBLIN  
State:OH  
ZIP:43017  
Country:US  
Phone:614-889-4505  
CAGE:5A188

=====  
Composition/Information on Ingredients  
=====

Ingred Name:SULFURIC ACID (SARA III)  
CAS:7664-93-9  
RTECS #:WS5600000  
Fraction by Wt: >95%  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

=====  
Hazards Identification  
=====

Rou

tes of Entry: Inhalation: YES Skin: NO Ingestion: NO  
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO  
Explanation of Carcinogenicity: NONE OF THE INGREDIENTS IN THIS PRODUCT  
IS LISTED AS A CACINOGEN BY NTP, IARC, OR OSHA.  
Effects of Overexposure: EYES: SEVERE DAMAGE/BLINDNESS VERY RAPIDLY.  
SKIN: BURNS, POSSIBLE DEEP ULCERATIONS. INHALATION: FUMES CAUSE  
DAMAGE TO THE NASAL/RESPIRATORY PASSAGES. INGESTION: SEVERE DAMAGE  
TO MUCOUS MEMBRANES/DEEP TISSUE.

=====  
First Aid Measures =====

First Aid: SKIN: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. DISCARD  
CONTAMINATED CLOTHING. GET MEDICAL HELP. EYES: IMMEDIATELY FLUSH  
WITH WATER FOR 15 MINUTES LIFTING UPPER/LOWER LIDS UNTIL MEDICAL  
HELP IS OBTAINED. CALL DOCTOR. DONT USE CHEMICAL ANTIDOTE.  
INGESTION: DONT INDUCE VOMITNG. GIVE WATER/MILK OF MAGNESIA. KEEP  
PERSON WARM AND QUIET. INHALATION: MOVE TO FRESH AIR. GET IMMEDIATE  
MEDICAL ATTENTION.

=====  
Fire Fighting Measures =====

Extinguishing Media: DRY CHEMICAL  
Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS WITH  
FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE.  
Unusual Fire/Explosion Hazard: SULFURIC ACID REACTS WITH MOST METALS TO  
GIVE HYDROGEN GAS WHICH CAN FORM EXPLOSIVE MIXTURES WITH AIR.

=====  
Accidental Release Measures =====

Spill Release Procedures: SM.SPILL: COVER W SOD BICARB., SODA ASH/SLAKED  
LIME MIX(5  
0-50). FORM SLURRY. SCOOP UP SLURRY & WASH W SODA ASH  
SOLN. LARGE SPILL: ELIMINATE ALL IGNITION SOURCES. EVACUATE AREA. WEAR  
PROTEC. EQUIP, DIKE AREA OF SPILL, PUMP LIQD TO SALVAGE TANK.

=====  
Handling and Storage =====

Handling and Storage Precautions: KEEP CONTAINER CLOSED. OBSERVE ALL  
PRECAUTIONS ON LABEL. NEVER STORE NEAR FLAMMABLE LIQUIDS/STRONG  
ALKALIES.  
Other Precautions: GIVES HEAT WHEN ADDED TO WATER, RESULTING IN VOILENT  
BOILING AND SPATTE

RING. NEVER ADD WATER TO ACID. ALWAYS ADD ACID SLOWLY IN SMALL AMOUNTS TO WATER. NEVER USE HOT WATER. OBSERVE ALL PRECAUTIONS FOR EMPTY DRUMS.

=====  
===== Exposure Controls/Personal Protection =====

Respiratory Protection:NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR, OR ACID VAPOR TYPE RESPIRATOR.

Ventilation:MECHANICAL(GENERAL) AND/OR LOCAL EXHAUST

Protective Gloves:PVC

Eye Protection:CHEMICAL SPLASH GOGGLES/FACE SHIELD.

Other Protective Equipment:TO PREVENT SKIN CONTACT, WEAR IMPERVIOUS

CLOTHING AND BOOTS.

Supplemental Safety and Health

=====  
===== Physical/Chemical Properties =====

HCC:C1

Boiling Pt:B.P. Text:554F,290C

Spec Gravity:1.840

Evaporation Rate & Reference:< 1 (ETHER = 1)

Solubility in Water:COMPLETE

Appearance and Odor:DENSE, OILY LIQUID. COLORLESS TO DARK BROWN COLOR.

=====  
===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG ALKALIES, OXIDIZERS, FLAMMABLE/COMBUSTIBLE MATERIAL, POWDERED METALS.

Stability Condition to Avoid:HIGH HEAT

Hazardous Decomposition Products:ACID FUMES, SULFUR OXIDES, HYDROGEN GAS

=====  
===== Disposal Considerations =====

Waste Disposal Methods:SMALL:FLUSH DOWN DRAIN W/WATER.LARGE SPILL:COLLECT & ADD SLOWLY TO LARGE VOL OF AGITD SOLN OF SODA ASH/SLAKED LIME.ADD NEUTRALIZED SOLN TO EXCESS RUNNING WATER IAW LOCAL REGULATIONS.REVIEW LOCAL,STATE /FED REGS. TO DETERMINE DISP

## OSAL PROCEDURE.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.