

H.R. SIMON AND COMPANY,INC. -- S72DFK CHEM BLEND FIXER PART 2 (HARDENER) --  
6750-01-214-1684

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

Product ID:S72DFK CHEM BLEND FIXER PART 2 (HARDENER)

MSDS Date:01/19/1989

FSC:6750

NIIN:01-214-1684

MSDS Number: BMBXY

=== Responsible Party ===

Company Name:H.R. SIMON AND COMPANY,INC.

Address:3515 MARMENCO COURT

City:BALTIMORE

State:MD

ZIP:21230

Country:US

Info Phone

Num:301-636-5555

Emergency Phone Num:301-636-5555

CAGE:KO055

=== Contractor Identification ===

Company Name:H.R. SIMON AND COMPANY,INC.

Address:3515 MARMENCO COURT

City:BALTIMORE

State:MD

ZIP:21230

Country:US

Phone:301-636-5555

CAGE:KO055

Company Name:SIMON H R CO,INC.

Address:3515 MARMENCO COURT

Box:City:BALTIMORE

State:MD

ZIP:21230-3411

Country:US

Phone:410-636-5555

CAGE:27912

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

Ingred Name:ACETIC ACID (SARA III)

CAS:64-19-7

RTECS #:AF1225000  
Fraction by Wt: 15-25%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:10 PPM  
ACGIH TLV:10 PPM/15 STEL; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ALUMINUM SULFATE (SARA III)  
CAS:10043-01-3  
RTECS #:BD1700000  
Fraction by Wt: 15-30%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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===== Hazards Identification =====  
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Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:PRODUCT MAY CAUSE BURNS TO EYE OR SKIN, OR RESPIRATORY OR G/I TRACT IRRITATION. IT IS CONSIDERED A MODERATE HAZARD FOR NORMAL INDUSTRIAL HANDLING.

Explanation of Carcinogenicity:THIS PRODUCT CONTAINS NO INGREDIENT LISTED AS CARCINOGEN BY IARC,NTP, OR OSHA.

Effects of Overexposure:EYE:CAUSES SEVERE IRRITATION,BURNS SKIN:CAUSES SEVERE IRRITATION,BURNS. INHALED:MAY CAUSE IRRITATION IF MIST IS

INHALED. INGESTED:MAY BE HARMFUL IF SWALLOWED. HMIS:MAY CAUSE G/I IRRITATION,NAUSEA,VO MITING.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====  
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First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF NECESSARY. INGESTED:DO NOT INDUCE VOMITING. GIVE 2 LARGE

GLASSES

OF MILK OR WATER AND GET IMMEDIATE MEDICAL CARE. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE,SEE A DOCTOR.

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Fire Fighting Measures  
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Flash Point:NON-FLAMMABLE

Extinguishing Media:PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED

CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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Accidental Release Measures  
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Spill Release Procedures:RECOVER AS LIQUID OR ADSORB WITH CLOTH,PAPER,OTHER INERT MATERIAL.

Neutralizing Agent:SODIUM BICARBONATE

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Handling and Storage  
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Handling and Storage Precautions:STORE IN A COOL (40-90 F), DRY, WELL

VENTILATED AREA.

Other Precautions:READ LABEL THEN FOLLOW INSTRUCTIONS.

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Exposure Controls/Personal Protection  
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Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR RESPIRATOR FOR INORGANIC DUST/MIST IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.

Ventilation:NORMAL ROOM VENTILATION SUPPLEMENTED WITH LOCAL EXHAUST ESPECIALLY WHEN MIXING.

Protective Gloves:RUBBER,VINYL,OTHER IMPERVIOUS

Eye Protection:SAFETY GLASSES; SPLASH GOGGLES IF MIXING

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER. USE APRON AND FACE SHIELD WHEN MIXING LIQUIDS OR IF SPLASHING IS LIKELY.

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT.

Supplemental Safety and Health  
NONE

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Physical/Chemical Properties  
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HCC:N1

Boiling Pt:B.P. Text:>212F,>100C

Vapor Pres

:18 MM  
Vapor Density:0.6  
Spec Gravity:1.21

pH:ACID

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR COLORLESS LIQUID, VINEGAR ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG ALKALIS

Stability Condition to Avoid:NONE GIVEN BY MANUFACTURER (SUPPLIER).

Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE,  
SULFUR OXIDES

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

Waste Disposa

I Methods:DISPOSE I/A/W FEDERAL,STATE,LOCAL REGULATIONS.  
MFR SUGGESTS FLUSH TO SEWER IF PERMITTED.

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