

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

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

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.

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

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER 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.

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

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.

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

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

Neutralizing Agent:SODIUM BICARBONATE

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

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

VENTILATED AREA.

Other Precautions:READ LABEL THEN FOLLOW INSTRUCTIONS.

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

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

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

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.

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.