

NATIONAL RESEARCH & CHEMICAL -- ZIP-FIX (CONCENTRATE-PART 1) RAPID FIXER-FI --
6750-00-965-4846

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

Product ID:ZIP-FIX (CONCENTRATE-PART 1) RAPID FIXER-FI

MSDS Date:01/01/1987

FSC:6750

NIIN:00-965-4846

MSDS Number: BJZGZ

=== Responsible Party ===

Company Name:NATIONAL RESEARCH & CHEMICAL

Address:14439 S. AVALON BL.

City:GARDENA

State:CA

ZIP:90248

Country:US

Info Ph

one Num:213-515-1700

Emergency Phone Num:213-515-1700

CAGE:20385

=== Contractor Identification ===

Company Name:NATIONAL RESEARCH AND CHEMICAL CO

Address:15600 NEW CENTURY DRIVE

Box:City:GARDENA

State:CA

ZIP:90248-2140

Country:US

Phone:213-515-1700

CAGE:20385

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

Ingred Name:AMMONIUM THIOSULFATE

CAS:7783-18-8

RTECS #:XN6465000

Other REC Limits:NONE SPECIFIED

Ingred Name:ACETIC ACID (SARA III)

CAS:64-19-7

RTECS #:AF1225000

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:AMMONIA (SARA III)
CAS:7664-41-7
RTECS #:BO0875000
Other REC Limits:NONE SPECIFIED
OSHA PEL:50 PPM
ACGIH TLV:25 PPM/35 STEL; 9293
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:SODIUM METABISULFITE
CAS:7681-57-4
RTECS #:UX8225000
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3; 9192

Ingred Name:BORIC ACID
CAS:10043-35-3
RTECS #:ED4550000
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and
Chronic:ACUTE-EYES/SKIN:IRRITATION.INHALATION:COUGHING MAY
OCCUR.INGESTION:NAUSEA,DIZZINESS,VOMITING & HEADACHE MAY RESULT.
Effects of Overexposure:SEE HEALTH HAZARDS SECTION.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:CALL A DOCTOR IF NEEDED.EYE:IMMEDIATELY FLUSH W/WATER 15
MIN,HOLD LIDS OPEN.SKIN:FLUSH WITH PLENTY OF
WATER.INHALATION:REMOVE TO FRESH AIR.INGESTION:INDUCE VOMITING.
OBTAIN MEDICAL ATTENTION IMMEDIATE LY. DO NOT MAKE AN UNCONSCIOUS
OR CONVULSING PERSON VOMIT.

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

Flash Point Method:CC
Flash Point:104F,40C
Extinguishing Media:CARBON DIOXIDE AND DRY C

HEMICAL

Fire Fighting Procedures:NONE

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:WEAR PROTECTIVE CLOTHING. NEUTRALIZE WITH SODIUM BICARBONATE OR OTHER MILD BASE.

Neutralizing Agent:SODIUM BICARBONATE

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

Handling and Storage Precautions:KEEP TIGHTLY SEALED.STORE ABOVE 48F.AVOID UNNECESSARY PERSONAL CONTACT.

Other Precautions:IF BAKING SO DA OR SODA ASH IS USED, PROVIDE ADEQUATE VENTILATION TO DISSIPATE DIOXIDE GAS.

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

Respiratory Protection:ORGANIC VAPOR RESPIRATOR

Ventilation:MECHANICAL (GENERAL)

Protective Gloves:RUBBER OR NEOPRENE

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:DON'T STORE/CONSUME FOOD/DRINK IN AREA WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL.WASH HANDS AFTER HANDLING.

Supplemental Safety and Health

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

HCC:N1

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

Vapor Pres:17

Vapor Density:0.6

Spec Gravity:1.3485

Appearance and Odor:CLEAR, COLORLESS LIQUID, PUNGENT ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG ALKALIES

Stability Condition to Avoid:DIRECT HEAT

Hazardous Decomposition Products:AMMONIA

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

Waste Disposal Methods: IF FEDERAL, STATE, AND LOCAL REGULATIONS PERMIT, FLUSH THE NEUTRALIZED MATERIAL TO SEWER WITH LARGE AMOUNTS OF WATER.

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