

STAUFFER CHEMICAL COMPANY -- FYRQUEL 220 MLT "HFR-1" -- 9150-01-113-2046

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Product Identification
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Product ID:FYRQUEL 220 MLT "HFR-1"

MSDS Date:01/01/1987

FSC:9150

NIIN:01-113-2046

MSDS Number: BGMJV

=== Responsible Party ===

Company Name:STAUFFER CHEMICAL COMPANY

Emergency Phone Num:(203) 226-6602

CAGE:8F554

=== Contractor Identification ===

Company Name:STAUFFER CHEMICAL CO SPECIALTY C

HEMICAL DIVISION

Address:NYALA FARMS RD

Box:City:WESTPORT

State:CT

ZIP:06880

Country:US

Phone:203-226-6602/CHEMTREC 800-424-9300

CAGE:8F554

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Composition/Information on Ingredients
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Ingred Name:BUTYLATED TRIPHENYL PHOSPHATE ESTERS (MIXED ISOMERS)

Ingred Name:TRIPHENYL PHOSPHATE

CAS:115-86-6

RTECS #:TC8400000

OSHA PEL:3 MG/M3

ACGIH TLV:3 MG/M3; 9192

Ingred Name:ADDITIVES, TYPE NOT SPECIFIED - LESS THAN 1%.

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Hazards Identification
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Effects of Overexposure:RESP.IRRITANT; DYSPNEA,PULMONARY EDEMA;SKIN &
EYE IRRIT; POSSIBLE CHOLINESTERASE INHIBITION (RBC)

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First Aid Measures
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First Aid:INHAL:RMV TO FRESH AIR. IF NOT BRTHNG GIVE CPR; IF BRTHNG
DIFF GIVE OXYGEN. EYE:IMMED FLUSH W/PLENTY OF WATER. SKIN:WASH
W/SOAP&WATER. RMV CONTAM CLTHG&SHOES. INGEST:INDUCE VOMIT. RPT
UNTIL VOMIT IS C LEAR. NOTHG BY MOUTH IF UNCONSC. GET MEDICAL ATTN.

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

Flash Point:475F, 246C (COC)

Extinguishing Media:CO*2, DRY CHEMICAL, FOAM, WATER. TO REMOVE FLAME SOURCE.

Fire Fighting Procedures:WEAR FULL-FACE SELF-CONTAINED BREATHING APP/IMPER. CLOTHING.

Unusual Fire/Explosion Hazard:FLUID MAY SUPPORT COMBUSTION & DECOMP YIELDING TOXIC PRODUCTS (EG: PHOSPHORUS OXIDES)

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

Spill Release Procedures:VENTILATE AREA. WEAR PROTECTIVE CLOTHING TO

PREVENT SKIN & EYE CONTACT. SOAK UP LIQ.W/SUITABLE ABSORBENT MATL (EG:SAWDUST, CLAY, VERMICULITE). SWEEP MATL & PLACE IN SEALED STEEL CONTAINER. LARGE SPILL S SHOULD BEDYKED & PUMPED TO SALVAGE.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL-VENTILATED AREAS AWAY FROM FLAMMABLE MATLS, HEAT/FLAME SOURCES & FOODSTUFFS. CARBON STEEL IS PREFERRED MATL FOR CONTAINERS.

Other Precautions:EXP

OSURE MAY CAUSE CHOLINESTERASE INHIBITION.

ATROPINE IV IS ANTIDOTAL. Z-PAM IS ALSO ANTIDOTAL WHEN ADMINISTERED EARLY 6 IN CONJUNCTION WITH ATROPINE.// FLUID MAY SOFTEN SOME PLASTIC

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

Respiratory Protection:NIOSH/MSHA APPROVES RESP SELECTED FOR POT.EXPOSURES & USE CONDITIONS

Ventilation:RECOMMENDED ESP IF USE CONDITIONS GENERATE AEROSOLS/VAPORS.

Protective Gloves:RECOMMENDED

Eye Protection:SPLASH-PROOF GOGGLES

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r Protective Equipment:APRONS, FOOTWEAR SELECTED W/REGARD TO EXPOSURE POTENTIAL.

Supplemental Safety and Health

UPDATE PER NON-OSHA HCS MSDS DTD OCT84

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

HCC:V6

Vapor Pres:0.1

Spec Gravity:1.15

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS, CLEAR LIQUID WITH ESSENTIALLY NO ODOR.

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

Stability Indicator/Materials to Avoid:YES
MOISTURE, ACIDIC OR

ALKALINE CONDITIONS. VERY HIGH TEMPS.

Stability Condition to Avoid:TEMP >150F & MOISTURE COMBINE TO CAUSE SLOW HYDROLYSIS.

Hazardous Decomposition Products:PHENOL, ALKYL PHENOLS, ARYL PHOSPORIC ACIDS WHEN HYDROLYZED.

Conditions to Avoid Polymerization:IN ABSENCE OF MOISTURE, FLUID REMAINS STABLE TO HIGH TEMPS.

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

Waste Disposal Methods:FOLLOW FED, STATE & LOCAL REGULATIONS. MFR RECOMMENDS DISPOSAL OF SEALED CONTAINERS IN AN APPROVED LANDFILL, INCINERATION BY A LICENSED OPERATOR W/APPROPRIATE POLLUTION CONTROLS, OR SALVAGE & RECLAMATION IF QUANTITY JUSTIFIES. RECLAMATION PREFERRED.

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