

AKZO CHEMICALS INC -- FYRQUEL 220 MLT -- 9150-01-113-2046

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Product Identification
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Product ID:FYRQUEL 220 MLT

MSDS Date:01/01/1992

FSC:9150

NIIN:01-113-2046

MSDS Number: BPXGG

=== Responsible Party ===

Company Name:AKZO CHEMICALS INC

Address:300 S RIVERSIDE PLZ

City:CHICAGO

State:IL

ZIP:60606

Country:US

Info Phone Num:312-906-7522

Emergency Phone Num:312-906-7522

CAGE:1F176

=== Contrac

tor Identification ===

Company Name:AKZO CHEMICALS INC

Address:STATE RT 2

Box:1712

City:GALLIPOLIS FERRY

State:WV

ZIP:25515-1721

Country:US

Phone:304-675-1150

CAGE:1F176

Company Name:AKZO NOBEL CHEMICALS INC

Address:300 S. RIVERSIDE PLAZA

Box:City:CHICAGO

State:IL

ZIP:60606-6613

Country:US

Phone:312-906-7500 TECH: 800-828-792

CAGE:97854

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Composition/Information on Ingredients
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Ingred Name:PHOSPHORIC ACID (1,1-DIMETHYLETHYL)-PHENYL DIPHENYL ESTER

CAS:56803-37-3

Fract

ion by Wt: 35-40%
Other REC Limits:NONE SPECIFIED

Ingred Name:PHOSPHORIC ACID BIS[(1,1-DIMETHYLETHYL)PHENYL] PHENYL ESTER
CAS:65652-41-7
Fraction by Wt: 25-30%
Other REC Limits:NONE SPECIFIED

Ingred Name:TRIPHENYL PHOSPHATE
CAS:115-86-6
RTECS #:TC8400000
Fraction by Wt: 15-20%
Other REC Limits:NONE SPECIFIED
OSHA PEL:3 MG/M3
ACGIH TLV:3 MG/M3; 9293

Ingred Name:PHENOL,4-(1,1-DIMETHYLETHYL) PHOSPHATE (3:1)
CAS:78-33-1
Fraction by Wt: 6-10%
Other REC Limits:NONE SPECIFIED

Ingred Name:BUTYLATED
TRIPHENYL PHOSPHATE
Fraction by Wt: 6-10%
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:LD 50 ORAL RAT IS > 5000 MG/KG.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES: MAY RESULT IN IRRITATION. SKIN:
MAY RESULT IN IRRITATION. INHALATION: MAY CAUSE RESPIRATORY
IRRITATION. THE PRODUCT CONTAINS TRIPHENYL PHOSPHATE WHICH
HAS BEEN
REPORTED TO BE A CHOLINESTERASE INHIBITOR. SEVERE CHOLINESTERASE
INHIBITION MAY LEAD TO CONVULSIONS, PULMONARY EDEMA, RESPIRATORY
FAILURE AND DEATH.
Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT
IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.
Effects of Overexposure:IRRITATION OF EYES, SKIN, RESPIRATORY TRACT.
SYMPTOMS OF CHOLINESTERASE INHIBITION ARE SALIVATION, SWEATING,
HEADACHE, NAUSEA, MUSCLE TWITCHING, TREMORS, INCOORDINATION,

BLURRED VISION, TEARS, ABDOMINAL CRAMPS, DIARRHEA AND CHEST DISCOMFORT. MAY LEAD TO CONVULSIONS, PULMONARY EDEMA, RESPIRATORY FAILURE AND DEATH.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH AREA WITH WATER.IF IRRITATION DEVELOPS GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR.IF NOT BREATHING GIVE CPR.IF BREATHING DIFFICULT GIVE OXYGEN.GET MEDICAL ATTENTION. INGESTION: GIVE SEVERAL GLASSES OF WATER AND INDUCE VOMITING.GIVE FLUIDS UNTIL VOMITUS IS CLEAR.GET MEDICAL ATTENTION.

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

Flash Point Method:PMCC
Flash Point:475F,246C
Autoignition Temp:Autoignition Temp Text:UNKNON
Extinguishing Media:USE WATER SPRAY, CARBON DIOXIDE, OR DRY CHEMICALS.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED FULL-FACE, SCBA AND IMPERVIOUS PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS TO PREVENT RUPTURE.
Unusual Fire/Explosion Hazard:HIGH PRESSURE WATER HOSE MAY SPREAD PRODUCT FROM BROKEN CONTAINERS INCREASING CONTAMINATION OR FIRE HAZARD. DO NOT ALLOW CONTAMINATED WATER TO ENTER WATERWAYS.

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

Spill Release Procedures:VENTILATE AREA. WEAR PROTECTIVE CLOTHING AND EQUIPMENT. ABSORB SPILL WITH INERT MATERIAL AND PLACE IN COVERED DISPOSAL CONTAINER.BRUSH AREA WITH LAUNDRY DETERGENT AND WATER. DIKE WATER FOR DISPOSAL. DO NOT ALLOW CONTAMINATED WATER TO ENTER WATERWAYS.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT, AND IGNITION SOURCES. KEEP CONTAINERS CLOSED

OSED.

Other Precautions:STORE AWAY FROM FOODSTUFF. AVOID PROLONGED STORAGE AT ELEVATED TEMPERATURES UNDER WET ALKALINE OR ACIDIC CONDITIONS.PREVENT MOISTURE CONDENSATION IN THE CONTAINER.AT TEMPERATURES BELOW 40F IMPROVED PU MPING RATES MAY BE ACHIEVED BY WARMING.

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

Respiratory Protection:NONE REQUIRED WITH ADEQUATE VENTILATION. WHERE ADEQUATE VENTILATION IS NOT AVAILABLE USE NIOSH-APPROVED RESPIRATOR WITH

H DUST,MIST AND FUME FILTERS.FOR HIGHER LEVEL OF PROTECTION USE NIOSH- APPROVED POSITIVE-PRESSURE,AIR-SUPPLIED RESPIRATOR.

Ventilation:LOCAL EXHAUST VENTILATION.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE EXPOSURE. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Sup

plemental Safety and Health

ALL FOOD SHOULD BE KEPT IN A SEPARATE AREA AWAY FROM THE STORAGE/USE LOCATION. EATING, DRINKING, AND SMOKING SHOULD BE PROHIBITED IN AREAS WHERE THERE IS A POTENTIAL FOR SIGNIFICANT EXPOSURE TO THIS MATERIAL.

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

HCC:V6

Vapor Pres: