

AKZO CHEMICALS INC. -- FYRQUEL 220 MLT -- 9150-01-113-2047

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Product Identification
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Product ID:FYRQUEL 220 MLT

MSDS Date:04/01/1989

FSC:9150

NIIN:01-113-2047

MSDS Number: BJPNW

=== Responsible Party ===

Company Name:AKZO CHEMICALS INC.

Address:300 S RIVERSIDE PLAZA

City:CHICAGO

State:IL

ZIP:60606

Country:US

Info Phone Num:312-906-7500

Emergency Phone Num:312-906-7500

Preparer's Name:PRO

DUCT STEWARDSHIP

CAGE:1F176

=== Contractor 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:BUTYLATED TRIPHENYL PHOSPHATE ESTER (EX

POSURE LIMITS SHOWN
ARE FOR TRIPHENYL PHOSPHATE)

Fraction by Wt: >99%

Other REC Limits:NONE SPECIFIED

OSHA PEL:3 MG/M3

ACGIH TLV:3 MG/M3; 9091

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===== 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:TRIPHENYL PHOSPHATE HAS BEEN REPORTED
TO BE A CHOLINESTERASE INHIBITOR. SEVERE CHOLINE

STERASE 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:SALIVATION, SWEATING, HEADACHE, NAUSEA, MUSCLE
TWITCHING, TREMORS, INCOORDINATION, BLURRED VISION, TEARS,
ABDOMINAL CRAMPS, DIARRHEA AND CHEST DISCOMFORT. SEVERE
CHOLINESTERASE INHIBITION MAY LEAD TO CONVULSIONS, PULMONARY

ATORY FAILURE AND DEATH.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES:FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.SEE
DOCTOR IMMEDIATELY. SKIN:WASH WITH MILD SOAP AND WATER WHILE
REMOVING CONTAMINATED CLOTHING AND SHOES.IF IRRITATION OCCURS,SEE
DOCTOR. INHALATION:REMOVE VICTIM TO FRESH AIR.GIVE OXYGEN/CPR IF
NEEDED.SEE DOCTOR IMMEDIATELY. INGESTION:GIVE SEVERAL GLA

SSES OF

WATER.DO NOT INDUCE VOMIT. SEE DOCTOR IMMEDIATELY.NOTHING BY MOUTH
IF UNCONSCIOUS.

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

Flash Point Method:PMCC

Flash Point:475F,246C

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire

/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE
PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS, SUCH AS PHOSPHORIC
OXIDES.

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

Spill Release Procedures:REMOVE PERSONNEL.ELIMINATE IGNITION SOURCES.
VENTILATE AREA.WEAR PROTECTIVE CLOTHING AND EQUIPMENT.ABSORB IN
INERT MATERIAL AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND
COVER.COVER AREA WITH LAUNDRY DETERGENT.CLEAN WITH BRUSH AND FLUSH
WITH WATER.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED
AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT, IGNITION SOURCES AND
INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED.
Other Precautions:STORE AWAY FROM FOODSTUFF. AVOID PROLONGED STORAGE AT
ELEVATED TEMPERATURES UNDER WET ALKALINE CONDITIONS.PREVENT
MOISTURE CONDENSATION IN THE CONTAINER.AT TEMPERATURES BELOW 40F
IMPROVED PUMPING RATE S MAY BE ACHIEV
ED BY WARMING.

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

Respiratory Protection:NONE REQUIRED WITH ADEQUATE VENTILATION. NIOSH/
MSHA-APPROVED RESPIRATOR OR SCBA AS APPROPRIATE FOR EXPOSURE OF
CONCERN IF ADEQUATE VENTILATION IS NOT AVAILABLE.
Ventilation:LOCAL EXHAUST VENTILATION.
Protective Gloves:IMPERVIOUS GLOVES.
Eye Protection:CHEMICAL SAFETY GOGGLES.
Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE
EXPOSURE FROM PROLONGED OR REPEA
TED CONTACT. EYE BATH AND SAFETY
SHOWER.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE
EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
NOTE TO PHYSICIAN:IF CHOLINESTERASE INHIBITION IS SUSPECTED, ATROPINE
BY INJECTION IS ANTIDOTAL. PRALIDOXIME CHLORIDE (2-PAM, PROTOPAM)
IS ALSO ANTIDOTAL WHEN ADMINISTERED EARLY AND IN CONJUNCTION WITH
ATROPINE.

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

HCC:V6

Vapor Pres: