

AKZO NOBEL 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:03/08/1999

FSC:9150

NIIN:01-113-2046

MSDS Number: CGMJD

=== Responsible Party ===

Company Name:AKZO NOBEL CHEMICALS INC

Address:S LIVINGSTONE AVE

City:DOBBS FERRY

State:NY

ZIP:10522

Country:US

Info Phone Num:800-666-1200

Emergency Phone Num:914-693-6946

Resp. Pa

rty Other MSDS Num.:16-084436

Preparer's Name:NOT PROVIDED

Chemtrec Ind/Phone:(800)424-9300

CAGE:97854

=== Contractor Identification ===

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

Company Name:SALATHE OIL CO INC

Address:2226 PETERS RD

Box:City:HARVEY

State:LA

ZIP:70058

Country:US

Phone:504-366-4542

CAGE:0T5C6

Company Name:SDB CONSULTANTS LTD

Address:401 WHITNEY AVE SUITE

120
Box:City:GRETNA
State:LA
ZIP:70056
Country:US
Phone:504-366-9105
Contract Num:SP0450-00-M-C192
CAGE:0PGK2

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Composition/Information on Ingredients
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Ingred Name:BUTYLATED TRIPHENYL PHOSPHATE MIXTURE
Minumum % Wt:75.
Maxumum % Wt:85.
Other REC Limits:NONE RECOMMENDED

Ingred Name:TRIPHENYL PHOSPHATE
CAS:115-86-6
RTECS #:TC8400000
Minumum % Wt:15.
Maxumum % Wt:25.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:3 MG/M3
ACGIH TLV:3 MG/M3; 9596

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rds Identification
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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: CONTACT MAY CAUSE MILD
IRRITATION. SKIN: MAY CAUSE MILD IRRITATION. INHALATION: MAY CAUSE
RESPIRATORY TRACT IRRITATION. PRODUCT CONTAINS TRIPHENYL PHOSPHATE
WHICH CAN CAUSE CHOLINESTERASE INHIBI TION. INGESTION: MAY CAUSE
IRRITATION OFGASTROIN
TESTINAL SYSTEM AND DIARRHEA, AND
CHOLINESTERASE INHIBITION. TARGET ORGANS: SKIN, EYES, RESPIRATORY
SYSTEM, CENTRAL & PERIPHERAL NERVOUS SYSTEM.
Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT
IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.
Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION. INHALATION:
IRRITATION, HEADACHE, NAUSEA, SWEATING, HANDS AND FEET NUMBNESS,
SALIVATION, MUSCLE TWITCHING, TREMORS, INCOORDINATION, BLURRED
VISION, TEAR

S, ABDOMINAL CRAMPS, DIARRHEA, CHEST DISCOMFORT.
INGESTION: IRRITATION OF GI TRACT, AND THE SYMPTOMS LISTED UNDER
INHALATION. IN CASES OF CHOLINESTERASE INHIBITION, ATROPINE BY
INJECTION IS ANTIDOTAL. PRALIDOXIME CHLORIDE (2-PAM; PROTOPAM
CHLORIDE) IS ALSO ANTIDOTAL WHEN ADMINISTERED EARLY & IN
CONJUNCTION WITH ATROPINE.

Medical Cond Aggravated by Exposure: PERSONS WITH PRE-EXISTING
NEUROMUSCULAR DISORDERS MAY BE AT AN INCREASED RISK FROM EXPOSURE
TO THIS MATERIAL.

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

First Aid: EYES: REMOVE CONTACT LENSES. FLUSH EYES WITH LARGE AMOUNTS OF
WATER HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE
CONTAMINATED CLOTHING. WASH AREA WITH SOAP AND 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: DO NOT INDUCE VOMITING UNLESS
DIRECTED TO
DO SO BY MEDICAL PERSONNEL. IF VOMITING OCCURS, KEEP
HEAD BELOW HIPS TO REDUCE RISK OF ASPIRATION. NEVER GIVE ANYTHING
BY MOUTH IF UNCONSCIOUS. GET MEDICAL ATTENTION.

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

Flash Point Method: PMCC

Flash Point: =246.1C, 475.F

Autoignition Temp: Autoignition Temp Text: N/D

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

Fire Fighting Procedures: FIRE FIGHTERS SHOULD USE NIOSH APPROVED
FU

LL-FACE, SCBA AND IMPERVIOUS PROTECTIVE CLOTHING. USE WATER SPRAY
TO COOL FIRE-EXPOSED CONTAINERS TO PREVENT RUPTURE. DIKE FIRE
CONTROL WATER FOR LATER DISPOSAL.

Unusual Fire/Explosion Hazard: HIGH PRESSURE WATER MAY SPREAD PRODUCT
FROM BROKEN CONTAINERS INCREASING CONTAMINATION OR FIRE HAZARD. DO
NOT ALLOW CONTAMINATED WATER TO ENTER WATERWAYS. PRODUCT IS NOT
FLAMMABLE OR COMBUSTIBLE.

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

Spill Release Procedure

res:VENTILATE AREA. STOP SOURCE OF SPILL AND DIKE
AREA. ABSORB LIQUID WITH INERT MATERIAL AND PLACE IN COVERED
DISPOSAL CONTAINER. BRUSH AREA WITH DETERGENT AND WATER. DIKE WATER
FOR DISPOSAL. DO NOT ALLOW CONTAMINATED WATER TO ENTER WATERWAYS
OR SEWERS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:MAX STORAGE TEMP: 149F. STORE IN COOL,
DRY, WELL VENTILATED AREA AWAY
FROM FOODSTUFFS, FLAMMABLE OR
OXIDIZING MATERIALS AND SOURCES OF HEAT OR FLAME.

Other Precautions:PROTECT CONTAINERS FROM DAMAGE. AVOID PROLONGED
STORAGE AT ELEVATED TEMPERATURES UNDER WET ALKALINE OR ACIDIC
CONDITIONS. ROTATE CONTAINERS REGULARLY (FIRST IN, FIRST OUT).
PREVENT MOISTURE CONDENSATION IN THE CONTAINERS.

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

Respiratory Protection:NONE REQUIRED WITH ADEQUATE VENTILATION. WHERE
ADEQUATE VENTILATION

IS NOT AVAILABLE USE NIOSH-APPROVED RESPIRATOR
WITH DUST, MIST AND FUME FILTERS. FOR HIGHER LEVEL OF PROTECTION
USE NIOSH- APPROVED POSITIVE-PRESSURE, AIR-SUPPLIED RESPIRATOR.

Ventilation:PROVIDE ADEQUATE VENTILATION TO MAINTAIN EXPOSURE BELOW THE
RECOMMENDED TLV/PEL.

Protective Gloves:COMBINATION NEOPRENE OVER NATURAL LATEX ARE
RECOMMENDED

Eye Protection:CHEMICAL SAFETY GOGGLES OR FACESHIELD.

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE
EXPOSURE.

EYE WASH STATION AND SAFETY SHOWER. LONG SLEEVED
CLOTHING.

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

Supplemental 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 M
ATERIAL.

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

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HCC:V7

Vapor Pres:2000 MG/KG, MILD SKIN IRRITANT IN RABBITS FOLLOWING 24 HR EXPOSURE. CHRONIC DERMAL NOT KNOWN. EXPECTED TO CAUSE IRRITATION. MILD IRRITANT TO RABBIT EYES. DAILY INGESTION BY RATS OF 100, 400 OR 1600 PPM FOR 3 MONTHS PRODUCED INCREASES IN LIVER WEIGHTS OF MALES AT HIGH-DOSE LEVEL. NO HISTOPATHO LOGICAL CHANGES NOTED. CARCINOGENITY/MUTAGENICITY: NO EFFECTS NOTED. REPRODUCTIVE: RATS: DAYS 6-20 OF GESTATION: INCREASED LIVER WEIGHTS & FET O-TOXICITY. NO TERATOGENICITY NOTED. NO NEUROTOXICITY NOT ED.

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Ecological Information =====

Ecological:96-HR LC50 RAINBOW TROUT: > 2 MG/L, 96-HR LC50 SHEEPSHEAD MINNOW: > 1 MG/L, 96-HR LC50 MYSID SHRIMP: 0.39 MG/L. TRIARYL PHOSPHATE ESTERS, INCLUDING TRIPHENYL PHOSPHATE EXHIBIT LOW AQUEOUS SOLUABILITY, HAVE MODERATE POTENTIAL FOR BIOACCUMULATION, AND READILY UNDERGO BIODEGRADATION. CHEMICAL FATE: MATERIAL IS READILY BIODEGRADABLE
. HYDROLYSIS RATES FOR TRIPHENYL PHOSPHATE, A PRODUCT COMPONENT, ARE: AT PH 9.5: HALF-LIFE: 0.23 DAYS, AT PH 8.2: HALF-LIFE: 7.5 DAYS.

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Disposal Considerations =====

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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MSDS Transport Information =====

Transport Information:ENVIRONEMTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TRIPHENYL PHOSPHATE), 9, UN3082, PG III. NORTH AMERICAM EMERGENCY RESPONSE GUIDE NO: 171, LABEL: CLASS 9, SUBSIDIARY RISK: MARINE POLLUTANT.

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Regulatory Information =====

SARA Title III Information:NOT RELEVANT
Federal Regulatory Information:TRIPHENYL PHOSPHATE SUBJECT TO DOMESTIC SUBSTANCE LIST - CANADA. LISTED ON TSCA
State Regulatory Information:TRIPHENYL PHOSPHATE LISTED ON MASSACHUSETTS SUBSTANCE LIST, NEW JERSEY R-T-K HAZARDO

US SUBSTANCE,
PENNSYLVANIA HAZARDOUS SUBSTANCE LIST.

===== Other Information =====

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