

AKZO NOBEL CHEMICALS INC CHEMICAL DIV/AKZO NV -- FYRQUEL 200 MELT -- 9150-01-113-2046

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Product Identification  
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Product ID:FYRQUEL 200 MELT

MSDS Date:01/01/1992

FSC:9150

NIIN:01-113-2046

Status Code:A

MSDS Number: CJRLF

=== Responsible Party ===

Company Name:AKZO NOBEL CHEMICALS INC CHEMICAL DIV/AKZO NV

Address:300 S. RIVERSIDE PLAZA

City:CHICAGO

State:IL

ZIP:60606-6613

Country:US

Info

Phone Num:312-906-7500

Emergency Phone Num:(613) 906-7054 CANADA 613)-996-6666

Resp. Party Other MSDS Num.:84436/FYR044

Preparer's Name:PRODUCT STWEARDSHIP

Chemtec 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:SDB CONSULTANTS LTD

Address:401 WHITNEY AVE SUITE 120

Box:City:GRETNA

State:LA

ZIP:

70056

Country:US

Phone:504-366-9105

Contract Num:SP0450-99-M-B271

CAGE:0PGK2

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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

Minumum % Wt:35.

Maxumum % Wt:40.

Ingred Name:PHOSPHORIC ACID, BIS.((1,1-DIMETHYLETHYL)PHENYL.). PHENYL  
ESTER

CAS:65652-41-7

Minumum % Wt:25.

Maxumum % Wt:30.

Ingred Name:TRIPHENYL PHOSPHATE

PEL:3 MG/M3  
ACGIH TLV:3 MG/M3

Ingred Name:PHENOL, 4-(1,1-DIMETHYLETHYL)-, PHOSPHATE (3:1)  
CAS:78-33-1  
Minumum % Wt:6.  
Maxumum % Wt:10.

Ingred Name:BUTYLATED TRIPHENYL PHOSPHATE  
Minumum % Wt:6.  
Maxumum % Wt:10.

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

LD50 LC50 Mixture:ACUTE LD50 (ORAL, RAT): >5000 MG/KG  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:SKIN & EYE CONTACT MAY RESULT IN IRRITATION. INHALATION OF VAPORS MAY CAUSE RESPIRATORY IRRITATION.  
Explanation of Carcinogenicity:THE PRODUCT DID NOT EXHIBIT CARCINOGENIC POTENTIAL IN ANIMAL TESTS.  
Effects of Overexposure:TRIPHENYL PHOSPHATE (CHOLINESTERASE INHIBITION): SALIVATION, SWEATING, HEADACHE, NAUSEA, MUSCLE TWITCHING, TREMORS, INCOORDINATION, BLURRED VISION, TEARS, ABDOMINAL CRAMPS, DIARRHEA, CHEST DISCOMFORT. SEVERE CHOLINESTERASE INHIBITION MAY LEAD TO CONVULSIONS, PULMONARY EDEMA, RESPIRATORY FAILURE & DEATH. EYES-IRRITATION. SKIN-IRRITATION.  
INHALATION-IRRITATION.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:CONTACT A POISON CENTER, PHYSICIAN OR THE NEAREST HOSPITAL.  
INGESTED-IMMEDIATELY GIVE SEVERAL GLASSES WATER BUT DO NOT INDUCE VOMITING. HAVE PHYSICIAN DETERMINE IF VOMITING INDUCTION OR STOMACH EVACUATION IS NEEDED. NOTHING BY MOUTH IF UNCONSCIOUS. SKIN-FLUSH WITH WATER WHILE REMOVING CONTAMINATED CLOTHES. GET MEDICAL ATTENTION IF IRRITATION OCCURS. WASH CLOTHES BEFORE REUSE.  
EYES-IMMEDIATELY FLUSH WITH LOTS OF RUNNING WATER FOR AT LEAST 15 MINUTES, HOLD LIDS APART. GET IMMEDIATE MEDICAL ATTENTION.  
INHALED-REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING, OXYGEN IF BREATHING DIFFICULT.

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

Flash Point:=246.1C, 475.F  
PENSKEY-MARTENS  
Extinguishing Media:USE STANDARD FIREFIGHTING T

## TECHNIQUE TO EXTINGUISH

FIRES INVOLVING THIS MATERIAL. USE WATER SPRAY, DRY CHEMICAL OR CARBON DIOXIDE.

Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR FULL-FACE, SELF-CONTAINED BREATHING APPARATUS AND IMPERVIOUS PROTECTIVE CLOTHING. KEEP FIRE EXPOSED CONTAINERS COOL WITH WATER SPRAY TO PREVENT RUPTURE. HIGH PRESSURE WATER HOSE MAY SPREAD PRODUCT INCREASING CONTAMINATION OR FIRE HAZARD.

Unusual Fire/Explosion Hazard: AS IN ANY FIRE, PREVENT HUMAN EXPOSURE TO FIRE, SM

OK, FUMES OR PRODUCT OF COMBUSTION. EVACUATE NONESSENTIAL PERSONNEL FROM FIRE AREA. PRODUCT MAY SUPPORT COMBUSTION AND DECOMPOSE TO GIVE OFF TOXIC MATERIALS SUCH AS PHOSPHORIC OXIDES.

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

Spill Release Procedures: USE ADEQUATE VENTILATION AND/OR WEAR NIOSH-APPROVED RESPIRATOR WITH DUST/FUMES FILTER. WEAR PROTECTIVE CLOTHING. SOAK UP WITH SUITABLE ABSORBENT. SWEEP UP ABSORBED MATERIAL & PLACE IN A CHEMICAL WASTE CONTAINER. COVER AREA WITH SLURRY OF LAUNDRY DETERGENT & WATER. USING STIFF BRUSH SCRUB AREA, THEN FLUSH WITH WATER.

Neutralizing Agent: LAUNDRY DETERGENT & WATER SLURRY.

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

Handling and Storage Precautions: CONTAINERS SHOULD BE STORED IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM FLAMMABLE MATERIALS & SOURCES. STORE AWAY FROM FOOD OR ANIMAL FEED. PREVENT DAMAGE TO OR LEAKAGE FROM CONTAINER. AVOID STORAGE

AT ELEVATED TEMPERATURES UNDER WET ALKALINE CONDITIONS. PREVENT MOISTURE CONDENSATION IN CONTAINER

Other Precautions: CARBON STEEL IS THE PREFERRED MATERIAL OF CONSTRUCTION FOR STORAGE CONTAINERS. THE MATERIAL IS COMMONLY SHIPPED IN UNLINED TANK CARS, TANK TRUCKS & DRUMS. AT TEMPERATURES BELOW 40 DEGREES F (4.4 DEGREE S C) THE VISCOSITY IS SUCH THAT IMPROVED PUMPING RATES MAY BE ACHIEVED BY WARMING.

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

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Respiratory Protection: WHERE ADEQUATE VENTILATION IS NOT AVAILABLE, USE NIOSH-APPROVED ORGANIC VAPOR RESPIRATORS WITH DUST, MIST, FUME FILTERS. WHERE EXPOSURE POTENTIAL IS GREATER UNDER CONDITIONS NEEDING GREATER PROTECTION, USE AN AIR-SUPPLIED, POSITIVE-PRESSURE RESPIRATOR.

Ventilation: WHERE ENGINEERING CONTROLS ARE INDICATED: LOCAL EXHAUST, ENCLOSED SYSTEM, PROCESS ISOLATION, REMOTE CONTROL, ETC MAY BE USED.

Protective Gloves: USE OF GLOVES SUITABLE.

Eye Protection: SAFETY GLASSES, GOGGLES AND/OR A FACE SHIELD.

Other Protective Equipment: LONG SLEEVED CLOTHING SELECTED WITH REGARD FOR USE CONDITION EXPOSURE POTENTIAL.

Work Hygienic Practices: WASH THOROUGHLY AT END OF SHIFT.

Supplemental Safety and Health  
NONE SPECIFIED BY MANUFACTURER.

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

HCC: V5

Decomp Temp: >351.7C, 665.F

Vapor Density: < 0.1 MM

Viscosity: 200 230 SUS AT 100 DEG F

Solubility in Water: < THAN 0.1G/100 ML IN H2O

Appearance and Odor

: CLEAR, TRANSPARENT LIQUID WITH ESSENTIALLY NO ODOR.

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

Stability Indicator/Materials to Avoid: YES  
NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid: STABLE AT TEMPERATURES BELOW 150 DEG F (66 DEG C). IN THE ABSENCE OF MOISTURE, IT IS STABLE TO MUCH HIGHER TEMPERATURES.

Hazardous Decomposition Products: PHOSPHORIC OXIDES.

===== Toxicological Information =====

Toxicological Information

ion: THE ACUTE ORAL LD50 IS GREATER THAN 5,000

MG/KG IN BOTH MALE & FEMALE RATS. A SINGLE DOSE OF 5,000 MG/KG PRODUCED A MILD TO MODERATE DECREASE IN PHYSICAL ACTIVITY, SEVERE DIARRHEA, STAINS ON FUR & NO MORTALITY IN MALE & FEMALE RATS.

SKIN CONTACT: THE ACUTE DERMAL LD50 IS GREATER THAN 2,000 MG/KG PRODUCED A SLIGHT DECREASE IN PHYSICAL ACTIVITY, MILD DIARRHEA & 10% MORTALITY. MILD IRRITANT TO RABBIT SKIN FOLLOWING A 24-HR EXPOSURE. EYES: MILD IRRITANT TO RABBIT

EYES. INHALATION: THE ACUTE  
INHALATION LC50 IS GREATER THAN 3.1 MG/L IN BOTH MALE & FEMALE  
RATS. A SINGLE 4-HR EXPOSURE PRODUCED RUFF LED FUR & NO MORTALITY.

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Ecological Information  
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Ecological:NONE SPECIFIED BY MANUFACTURER.

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Disposal Considerations  
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Waste Disposal Methods:MATERIAL THAT CANNOT BE USED OR CHEMICALLY  
REPROCESSED & EMPTY CONTAINERS SHOULD BE DISPOSED OF AT AN APPROVED  
FACILITY  
IN ACCORDANCE WITH ANY APPLICABLE REGULATIONS. NOTE: STATE  
& LOCAL REGULATIONS MAY BE MORE STRINGENT THAN FEDERAL.

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MSDS Transport Information  
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Transport Information:NONE SPECIFIED BY MANUFACTURER.

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Regulatory Information  
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SARA Title III Information:NONE SPECIFIED BY MANUFACTURER.  
Federal Regulatory Information:NONE SPECIFIED BY MANUFACTURER.  
State Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

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Other Information  
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