

PFIZER INC ROERIG DIV -- FIREX RX-2390 (COMPONENT B) -- 1325-01-055-9896

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Product Identification
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Product ID:FIREX RX-2390 (COMPONENT B)

MSDS Date:10/23/1992

FSC:1325

NIIN:01-055-9896

Kit Part:Y

MSDS Number: CDZXL

=== Responsible Party ===

Company Name:PFIZER INC ROERIG DIV

Address:235 E 42 ST

City:NEW YORK

State:NY

ZIP:10017-5703

Country:US

Info Phone Num:215-250-3297

Emergency Phone N

um:215-250-3297

Preparer's Name:M.G. LARSON

CAGE:1L435

=== Contractor Identification ===

Company Name:PFIZER INC ROERIG DIV

Address:235 E 42 ST

Box:City:NEW YORK

State:NY

ZIP:10017-5703

Country:US

CAGE:1L435

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Composition/Information on Ingredients
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Ingred Name:SODIUM BORATE, DECAHYDRATE; (SODIUM TETRABORATE,
DECAHYDRATE). MP:144F,62C.

CAS:1303-96-4

RTECS #:VZ2275000

Fraction by Wt: 40-50%

OSHA PEL:10 MG/M3

ACGIH TLV:5 MG/M3

Ingred Name:BISPHENOL A-EPICHLOROHYDR

IN COPOLYMER; (PHENOL,
4,4'-(1-METHYLETHYLIDINE)BIS-, POLYMER WITH (CHLOROMETHYL) OXIRANE)
CAS:25068-38-6
RTECS #:SL6475000
Fraction by Wt: 40-50%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:TOLUENE (SARA 313) (CERCLA). BP:230F,110C. VP:26 @ 20C. VAP
DENS:3.2. EVAP RATE:500 (ISOPROPYL ALCOHOL=100). (ING 4)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 5-10%
OSHA PEL:200 PPM
ACGIH TLV:50 PPM, S
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:VITREOUS ALUMINOSILICATE FIBERS
Fraction
by Wt: 1-5%
Other REC Limits:2 FIBERS/CC (MFR)
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:PHENOL, 2,4,6-TRIS(DIMETHYLAMINOMETHYL)-;
(2,4,6-TRIS(DIMETHYLAMINO METHYL) PHENOL)
CAS:90-72-2
RTECS #:SN3500000
Fraction by Wt: 1-5%
Other REC Limits:5 PPM (MFR)
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:HAZ DECOMP PROD:PHENOLICS, OXIDES OF NITROGEN, SMOKE, SOOT,
CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF SULFUR, (ING 7)
RTECS #:9999999ZZ

Ingred Name:ING 6:LOW MOLECULAR WEIGHT HYDROCARBONS & HYDRO
GEN SULFIDE.
RTECS #:9999999ZZ

Ingred Name:EFTS OF OVEREXP:CANCER. NOTE:TOLUENE APPEARS ON NAVY LIST
OF OCCUP CHEM REPRO HAZS. SEEK CONSULTATION FROM APPROP(ING 9)
RTECS #:9999999ZZ

Ingred Name:ING 8:HEALTH PROFESSIONALS CONCERNING LATEST HAZARD LIST
INFORMATION & SAFE HANDLING & EXPOSURE INFORMATION .
RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC:SEEK IMMED MED ATTN. IF NOT BRTHG, GIVE ARTF
RESP, PREF MOUTH TO MOUTH. INGEST:DO NOT INDUCE (ING 11)
RTECS #:9999999ZZ

Ingred Name:ING

10:VOMIT. CALL POIS CTL CTR, EMER ROOM/MD. RINSE MOUTH
W/COPIOUS AMTS OF WATER & GIVE 2 CUPS OF WATER TO (ING 12)
RTECS #:9999999ZZ

Inged Name:ING 11:DRINK. DO NOT GIVE CARBONATED DRINKS. IF PERS IS
DROWSY/UNCON, DO NOT GIVE ANYTHING BY MOUTH/LEAVE ALONE.(ING 13)
RTECS #:9999999ZZ

Inged Name:ING 12:NEVER GIVE ANYTHING TO DRINK TO PERS WHO IS
CONVULSING/HAS NO GAG REFLEX. LOOSEN TIGHT FITTING CLTHG, (ING 14)
RTECS #:9999999ZZ

Inged Name:ING 13:CLEAR THE AIRWAY & KEEP THE PERSON
WARM.
RTECS #:9999999ZZ

Inged Name:SPILL PROC:USED. DO NOT FLUSH TO SEWER, STREAM/OTHER BODIES
OF WATER UNLESS AUTHORIZED TO DO SO BY APPROP GOVT (ING 16)
RTECS #:9999999ZZ

Inged Name:ING 15:OFFICIAL. IF AIRBORNE CONC EXCEEDS ESTABLISHED EXPOS
LIMS (TLV/PEL), OR IF HIGH AIRBORNE CONCS CAN OCCUR,(ING 17)
RTECS #:9999999ZZ

Inged Name:ING 16:EVACUATE EMPLOYEES & VENTILATE AREA. A NIOSH/MSHA
APPRVD SUPPLIED AIR RESP/SCBA SHOULD BE USED FOR ENTRY (ING 18)
RTECS #:9999999ZZ

Inged
Name:ING 17:INTO ENCLOSED SPACES OR IN AREAS W/INADEQUATE
VENTILATION.
RTECS #:9999999ZZ

Inged Name:WASTE DISP METH:THAT ALTERNATIVE BE SELECTED ACCORDING TO
FOLLOWING ORDER OF PREFERENCE, BASED UPON ENVIRON (ING 20)
RTECS #:9999999ZZ

Inged Name:ING 19:ACCEPTABILITY:1)RECYCLE/REWORK IF AT ALL FEASIBLE.
2)INCIN AT AUTHORIZED FACILITY. 3)TREAT AT ACCEPT (ING 21)
RTECS #:9999999ZZ

Inged Name:ING 20:WASTE TREATMENT FACILITY. 4)LANDFILL AT APPRVD
FACILITY (SOLIDIFICATION/FIXATIO

N MAY BE REQD PRIOR TO DISPOSAL.
RTECS #:9999999ZZ

Ingred Name:RESP PROT:CONCS MAY NECESSITATE THE USE OF NIOSH APPRVD
SCBA OR SUPPLIED AIR RESP. IN ADDN, RESP PROT (ING 23)
RTECS #:9999999ZZ

Ingred Name:ING 22:PROGRAMS MUST COMPLY W/29 CFR 1910.134.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OS

HA:NO

Health Hazards Acute and Chronic:ACUTE:OVEREXP TO TOLUENE MAY LEAD TO
CNS DEPRESS, LEADING TO HDCHS, NAUS & UNCON. MOD EYE & SKIN IRRIT.
INGEST CAN CAUSE SEV GI UPSET. CHRONIC: PRLNG SKIN CONT MAY CAUSE
DERM. FOR TOLUENE, RTECS PUBLISHED BY NIOSH LISTS ANIMAL STUDIES
ON MICE & RATS THAT HAVE CAUSED FETOTOXICITY (I.E., STUNTED FETUS,
(EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ:EXCEPT DEATH), FETAL DEATHS,
MUSCULOSKE

LETAL SYS & CRANIOFACIAL (INCL NOSE & TONGUE) DEVEL

ABNORMS THRU VARYING ORAL & INHAL DOSES. PULM EDEMA CAN POSSIBLY
OCCUR FOLLOWING PRLNG/EXCESSIVE EXP OS. TARGET ORGS:CNS, EYE, SKIN
& LUNGS.THIS PROD CONTAINS CHEMS KNOWN TO THE STATE OF CALIFORNIA
TO CAUSE (ING 8)

Medical Cond Aggravated by Exposure:PERSONS W/HEART, RESPIRATORY OR ANY
OTHER MEDICAL CONDITION SHOULD USE CAUTION WHEN HANDLING OR USING
THIS PRODUCT. CONSULTATION W/MD IS RECOMMENDED.

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= First Aid Measures =====

First Aid:EYES:IMMED FLUSH W/STEADY STREAM OF WATER FOR AT LST 15 MINS,
WHILE LIFTING UPPER & LOWER EYE LIDS FREQUENTLY. IMMED MED ATTN IS
ESSNTL. SKIN:IMMED REMOVE CONTAM CLTHG & SHOES. FLUSH AFFECTED AREA
THO RO W/WATER FOR 15 MINS. CLEANSE W/MILD SOAP & WATER, INCL HAIR
& UNDER FINGER NAILS. GET PROMPT MED ATTN. WASH CONTAM CLTHG THORO
BEFORE REUSE. INHAL:REMOVE TO FRESH AIR. IF SYMPS DEVELOP, (ING 10)

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Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:48.0F,8.9C

Lower Limits:SEE ING 3

Upper Limits:SEE ING 3

Extinguishing Media:FOR SMALL FIRES USE DRY CHEMICAL OR CARBON DIOXIDE.
FOR LARGE FIRES USE WATER SPRAY, FOG OR ALCOHOL FOAM.

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:TOLUENE IS FLAMM LIQ. UPON COMBUST, THIS PROD MAY FORM CARBON MONOXIDE & OTHER ORG CMPDS. CNTNRS OF THIS

PROD MAY RUPTURE FROM VAP PRESS WHEN EXPOS TO (SUPDAT)

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

Spill Release Procedures:STOP DISCHARGE & CONTAIN SPILL/CONTAM MATL USING DIKE/BARRIER. USE ABSORB SUCH AS FULLER'S EARTH, CLAY/OTHER APPROP SYNTHETIC ABSORB. PLACE CONTAM MATL IN SUITABLE CNTNR FOR FURTHER HNDLG & DISP. APPR OP SFTY MEASURES & PROT EQUIP SHOULD BE(ING 15)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. DO NOT STORE >110F, 43C. GEN(DILUTION) VENT MAY BE ACCEPT. HOWEVER, LOW EXHST VENT IS REC WHEN VAPS,(SUPDAT)

Other Precautions:THIS CNTNR CAN BE HAZ WHEN EMPTY, BECAUSE IT CAN RETAIN PROD RESIDUES. THEREFORE, DO NOT REUSE CNTNR FOR FOOD, CLTHG/PRODS FOR HUMAN/ANIMAL CONSUMPTION/WHERE SKIN CONT MAY OCCUR. MAINTAIN AIRBORNE CON CS BELOW ESTABLISHED EXPOS LIMS (SUPDAT)

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

Respiratory Protection:WHEN ESTABLISHED AIRBORNE EXPOS LIMS ARE SURPASSED, WEAR NIOSH APPRVD EQUIP. DETERMINE APPROP TYPE EQUIP FOR SPECIFIC APPLICATION BY CONSULTING RESP MFR. OBSERVE RESP USE LIMITATIONS SPECIFIED BY NIOS H/MFR. HIGH AIRBORNE (ING 22)

Ventilation:LOC EXHST VENT IS SUGGESTED FOR USE IN ENCLSD/CONFINED SPACES. LOC EXHST ALONG W/GEN VENT IS SUGGESTED WHEN (SUPP DATA)

Protective Gloves:IMPERVIUO

S GLOVES.

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS(SUPDAT)

Other Protective Equipment:EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA . APRON.

Work Hygienic Practices:WASH THORO AFTER HNDLG, ESP BEFORE EATING, DRINKING, SMOKING/USING RESTROOM FACILITIES. CONTAM CLTHG & SHOES (SUPP DATA)

Supplemental Safety and Health

EXPLO HAZ:HEAT FROM FIRE. MAY LIBERATE IRRIT VAPS DURING COMBUST/DECOMP. HNDLG/STOR PREC:MISTS/DUSTS CAN BE RELS. OTHER PREC:BY PROVIDIN

G VENT. VENT:EXPOS LIMS ARE EXCEEDED. EYE PROT:& FULL LGTH FCSHL D . HYGIENE PRACT:SHOULD BE THOROCLEANED & DRIED BEFORE REUSE. INFORM LAUNDERING FACILITY OF CONTAM SUBSTANCES.

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

HCC:F2

Boiling Pt:B.P. Text:SEE ING 3

Melt/Freeze Pt:M.P/F.P Text:SEE ING 1

Vapor Pres:SEE ING 3

Vapor Density:SEE ING 3

Spec Gravity:1.5 (H*2O=1)

pH:8-9

Evaporation Rate & Reference:SEE INGREDIENT 3

Solubility in Water:MODERATE

Appearance

and Odor:PALE YELLOW; PUNGENT ODOR.

Percent Volatiles by Volume:5-10

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

Stability Indicator/Materials to Avoid:YES

AVOID STRONG OXIDIZING AGENTS & ACIDS. CONTACT W/ELEMENTAL ZIRCONIUM MIXTURE EXPLODES WHEN HEATED.

Stability Condition to Avoid:AVOID EXPOSURE TO HIGH HEAT SOURCES, ELECTRICAL & WELDING ARCS & OPEN FLAMES.

Hazardous Decomposition Products:IF HEATED TO HIGH TEMPS, THIS PROD MAY EMIT FOLLOWING CMPDS:AMINES, FORMALDEHYDE &/OR OTHER ALDEHYDES, (ING 6)

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

Waste Disposal Methods:DISP OF ALL WASTE I/A/W FED, STATE & LOC REGS. THIS PROD SHOULD BE STORED/TREATED/DISPOSED/ETC AT AUTHORIZED FACILITY. BE SURE TO CONT APPROP GOVT ENVIRON AGENCIES IF FURTHER DISP GUIDANCE IS REQD. OF METHS OF DISP CURRENTLY AVAIL, IT IS REC (ING 19)

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