

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

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

MSDS Date:10/23/1992

FSC:1325

NIIN:01-055-9896

Kit Part:Y

MSDS Number: CDZ XK

=== 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:THIOL TERMINATED POLYMER,

POLYDITHIOETHER; (LIQUID
POLYSULFIDE POLYMER)

CAS:68611-50-7

Fraction by Wt: 30-40%

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:ING 3:FL PT:48F,8.9C. LEL:1.2%. UEL:7.1%.

RTECS #:9999999ZZ

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:PH

ENOL, 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 & HYDROGEN 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

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

Inged 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

Inged 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

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

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

Ingred Name:ING 20:WASTE TREATMENT FACILITY. 4)LANDFILL AT APPRVD FACILITY (SOLIDIFICATION/FIXATION MAY BE REQD PRIOR TO DISPOSAL.
RTECS #:9999999ZZ

Ingred Name:RESP PROT:CONCS MAY NECESSI TATE 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

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===== 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 OSHA: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 PUBLI SHED 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, MUSCULOSKELETAL SYS & CRANIOFACIAL (INCL NOSE & TONGUE) DEVEL ABNORMS THRU VARYING ORAL & INHAL D OSES. 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. IMMEDIATE MED ATTENTION IS
ESSENTIAL. SKIN:IMMEDIATELY REMOVE CONTAMINATED CLOTHING & SHOES. FLUSH AFFECTED AREA
THOROUGHLY WITH WATER FOR 15 MINS. CLEANSE WITH MILD SOAP & WATER, INCLUDING HAIR
& UNDER FINGER NAILS. GET PROMPT MED ATTENTION. WASH CONTAMINATED CLOTHING THOROUGHLY
BEFORE REUSE. INHALATION:REMOVE TO FRESH AIR. IF SYMPTOMS DEVELOP, (ING 10)

===== 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 APPROVED SCBA & FULL PROTECTIVE
EQUIPMENT .

Unusual Fire/Explosion Hazard:TOLUENE IS FLAMMABLE LIQUID. UPON COMBUSTION, THIS
PRODUCT MAY FORM CARBON MONOXIDE & OTHER ORGANIC COMPOUNDS. CONTAINERS OF THIS
PRODUCT MAY RUPTURE FROM VAPOR PRESSURE WHEN EXPOSED TO (SUNLIGHT)

===== Accidental Release

Measures =====

Spill Release Procedures:STOP DISCHARGE & CONTAIN SPILL/CONTAMINATED MATERIAL
USING DIKE/BARRIER. USE ABSORBENTS SUCH AS FULLER'S EARTH, CLAY/OTHER
APPROPRIATE SYNTHETIC ABSORBENTS. PLACE CONTAMINATED MATERIAL IN SUITABLE CONTAINER FOR
FURTHER HANDLING & DISPOSAL. APPROPRIATE SAFETY MEASURES & PROTECTIVE EQUIPMENT 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. GENERAL (DILUTION) VENTILATION MAY BE ACCEPTABLE.
HOWEVER, LOW EXHAUST VENTILATION IS RECOMMENDED WHEN VAPORS,(SUNLIGHT)

Other Precautions:THIS CONTAINER CAN BE HAZARDOUS WHEN EMPTY, BECAUSE IT CAN
RETAIN PRODUCT RESIDUES. THEREFORE, DO NOT REUSE CONTAINER FOR FOOD,
CLOTHING/PRODUCTS FOR HUMAN/ANIMAL CONSUMPTION/WHERE SKIN CONTACT MAY OCCUR.
MAINTAIN AIRBORNE CONCENTRATIONS BELOW ESTABLISHED EXPOSURE LIMITS (SUNLIGHT)

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

Respiratory Protection:WH

EN 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:IMPERVIOUS 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 PROVIDING 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

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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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