

ROCHE DERMATOLOGICS DIV OF HOFFMANN-LA ROCHE INC --  
FLUMAZENIL -- 6850-00F049005

===== Product Identification =====

Product ID:FLUMAZENIL  
MSDS Date:06/01/1994  
FSC:6850  
NIIN:00F049005  
MSDS Number: BZVFT  
=== Responsible Party ===  
Company Name:ROCHE DERMATOLOGICS DIV OF HOFFMANN-LA ROCHE INC  
Address:340 KINGSLAND STREET  
City:NUTLEY  
State:NJ  
ZIP:07110-1199  
Country:US  
Info Phone Num:800-526-6367  
Emergency Phone Num:201-235-6660  
Preparer's Name:HESHAM M SOLIMAN  
CAGE:GO581  
=== Contractor Identification ===  
Company Name:ROCHE DERMATOLOGICS DIV OF HOFFMANN-LA ROCHE INC  
Address:340 KINGSLAND STREET  
City:NUTLEY  
State:NJ  
ZIP:07110-1199  
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CAGE:GO581

===== Composition/Information on Ingredients =====

Ingred Name:FLUMAZENIL \*96-2\*  
CAS:78755-81-4  
RTECS #:NI2922170  
Fraction by Wt: >98%

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

LD50 LC50 Mixture:ORAL LD50(RAT): 4200 MG/KG  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:MAY CAUSE CENTRAL NERVOUS SYSTEM &  
CARDIOVASCULAR EFFECTS. MATERIAL MAY AFFECT THE DEVELOPING FETUS,  
FEMALES PLANNING TO HAVE CHILDREN & PREGNANT WOMEN, NURSING MOTHERS  
SHOULD USE CAUTION REGARDING EX POSURE.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:MATERIAL MAY AFFECT THE DEVELOPING FETUS,  
FEMALES PLANNING TO HAVE CHILDREN, PREGNANT WOMEN & NURSING MOTHERS  
SHOULD USE CAUTION REGARDING EXPOSURE.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED.

SKIN: WASH W/SOAP & PLENTY OF WATER. EYES: FLUSH W/PLENTY OF WATER.  
INGESTION: DON'T INDUCE VOMITING, UNLESS DIRECTED BY MEDICAL  
PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.  
OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Extinguishing Media:WATER, CO2, DRY CHEMICAL, FOAM.  
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED POSITIVE PRESSURE,  
SCBA & FULL PROTECTIVE TURN OUT GEAR. USE WATER TO COOL CONTAINERS.  
Unusual Fire/Explosion Hazard:SEVERE DUST EXPLOSION HAZARD. TOXIC &  
CORROSIVE EMISSIONS MAY BE GIVEN OFF IN A FIRE.

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

Spill Release Procedures:SHUT OFF IGNITION SOURCES SAFELY. SCOOP/SHOVEL  
MATERIAL INTO A SUITABLE LABELED OPEN HEAD DRUM. SECURE THE DRUM  
COVER & MOVE THE CONTAINER TO A SAFE HOLDING AREA. MOP/FLUSH THE  
AREA.

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

Handling and Storage Precautions:STORE AT 59-86F. DON'T HEAT >320F,  
GENERATE DUST/EXPOSE TO IGNITION SOURCES. GROUND & BOND TRANSFER  
EQUIPMENT. AVOID IGNITION SOURCES.  
Other Precautions:MILLING/MIXING/DRYING, PERFORM IN DEVICES EQUIPPED  
W/EXPLOSION RELIEF/SUPPRESSION SYSTEMS/UNDER INERT CONDITIONS.  
AVOID CONTACT W/EYES, SKIN & CLOTHING, BREATHING DUST. USE ADEQUATE  
VENTILATION. STORE IN COOL, DRY AREA.

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

Respiratory Protection:NEGATIVE PRESSURE AIR PURIFYING, HALF FACE,  
TOXIC DUST/MIST/FUME HIGH EFFICIENCY FILTER.  
Ventilation:LOCAL VENTILATION. USE IN A LAB HOOD.  
Protective Gloves:LATEX, PLASTIC/RUBBER  
Eye Protection:SAFETY GLASSES/GOGGLES  
Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING & SHOES  
BEFORE REUSE.  
Supplemental Safety and Health  
HANDLING & STORAGE CONT'D: KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN  
USE.

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

Melt/Freeze Pt:M.P/F.P Text:388-395.6F  
Appearance and Odor:WHITE TO OFF-WHITE POWDER W/NO ODOR.

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

Stability Indicator/Materials to Avoid:YES  
Stability Condition to Avoid:ELEVATED TEMP, WATER, DUST ACCUMULATION,  
AIRBORNE DUST, IGNITION SOURCES, TEMP >212F.  
Hazardous Decomposition Products:CO, CO2, OXIDES OF NITROGEN, HYDROGEN  
FLUORIDE.

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

Waste Disposal Methods:PRODUCT IS SUITABLE FOR INCINERATION. USE,  
PROCESSING, ALTERATION/CONTAMINATION MAY AFFECT DISPOSAL  
RECOMMENDATIONS. DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.

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