

DUPONT MERCK PHARMACEUTICAL CO, THE -- COUMADIN -- 6505-00-982-4229

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

Product ID:COUMADIN

MSDS Date:08/13/1991

FSC:6505

NIIN:00-982-4229

MSDS Number: BNBSK

=== Responsible Party ===

Company Name:DUPONT MERCK PHARMACEUTICAL CO, THE

Address:BARLEY MILL PLAZA

Box:80026

City:WILMINGTON

State:DE

ZIP:19880-0026

Country:US

Info Phone Num:302-992-4240

Emergency Phone Num:8

00-441-9861

Preparer's Name:C. K. WOOD

CAGE:GO350

=== Contractor Identification ===

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

Ingred Name:WARFARIN SODIUM (SARA III)

CAS

:129-06-6
RTECS #:GN4725000
Fraction by Wt: 0.9-4.5%
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:ORAL RAT LD50:100MG(MALE) 8MG(FEMALE)/KG
Routes of Entry: Inhalation:NO Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:HEMORRHAGE FROM ANY TISSUE OR ORGAN,
NECROSIS OF SKIN AND OTHER TISSUES, ALOPECIA, HIVES, DERMATITIS,
FEVER, NAUSEA, DIARRHEA, ABDOMINAL
CRAMPING, CRAMPING, SYSTEMIC
CHOLESTEROL MICROEMBOLIZATION, CHO LESTATIC HEPATIC INJURY,
PARALYSIS, HEADACHE, JOINT PAIN, SHORTNESS OF BREATH, UNEXPLAINED
SWELLING, UNEXPLAINED SHOCK.
Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP
OR OSHA AS A CARCINOGEN, MUTAGEN, TERATOGEN OR NEUROTOXIN.
Effects of Overexposure:HEMORRHAGE FROM ANY TISSUE OR ORGAN, NECROSIS
OF SKIN AND OTHER TISSUES, ALOPECIA, HIVES, DERMATITIS, FEVER,
NAUSEA, DIARRHEA, ABDOMINAL C
RAMPING, CRAMPING, SYSTEMIC
CHOLESTEROL MICROEMBOLIZATION, CHO LESTATIC HEPATIC INJURY,
PARALYSIS, HEADACHE, JOINT PAIN, SHORTNESS OF BREATH, UNEXPLAINED
SWELLING, UNEXPLAINED SHOCK.
Medical Cond Aggravated by Exposure:COUMADIN IS CONTRAINDICATED IN
WOMEN WHO ARE AR MY BECOME PREGNANT BECAUSE THE DRUG PASSES THROUGH
THE PLACENTAL BARRIER AND MAY CAUSE FATAL HEMORRHAGE TO THE FETUS
IN UTERO.

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

First Aid:
NHALATION:REMOVE TO FRESH AIR. GIVE MOUTH-TO-MOUTH
RESUSCITATION IF NOT BREATHING. GIVE OXYGEN IF BREATHING IS
DIFFICULT. GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH
PLENTY OF WATER FOR AT LEA ST 15 MINUTES. GET MEDICAL ATTENTION.
SKIN:WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING.
INGESTION:GIVE 2 GLASSES OF WATER AND INDUCE VOMITING IF VICTIM IS
CONSCIOUS. GET MEDICAL ATTENTION.

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

Autoi

gnition Temp:Autoignition Temp Text:NONE

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

Fire Fighting Procedures:EVACUATE PERSONNEL TO A SAFE AREA. KEEP
PERSONNEL REMOVED AND UPWIND OF FIRE. WEAR SELF-CONTAINED BREATHING
APPARATUS. WEAR FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT
DURING CLEAN UP.

EVACUATE PERSONNEL, THOROUGHLY VENTILATE AREA, USE
SELF-CONTAINED BREATHING APPARATUS. RECOVER UNDAMAGED AND MINIMALLY
CONTAMINATED MATER IAL FOR REUSE OR RECLAMATION.

Neutralizing Agent:IF MAJOR BLEEDING OCCURS, GIVE 5 TO 25 MG PARENTERAL
VITAMIN K.

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

Handling and Storage Precautions:STORE ABOVE 15 DEG C. STORE BELOW 30
DEG C. STORE IN DARK PLACE. KEEP CONTAINER TIGHTLY CLOSED. DO NOT
STORE NEAR FOOD OR DRIN

K.

Other Precautions:AVOID BREATHING VAPORS OR MIST. AVOID CONTACT WITH
EYES, SKIN, OR CLOTHING.

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

Respiratory Protection:WEAR A NIOSH/MSHA APPROVED CHEMICAL CARTRIDGE
RESPIRATOR WITH FULL FACEPIECE AND ORGANIC VAPOR CARTRIDGES IN
COMBINATION WITH A HIGH-EFFICIENCY PARTICULATE FILTER WHEN
APPROPRIATE TO PREVENT INHALATIO N OF DUST.

Ventilation:LOCAL AND MECHANICAL(GENERAL) EXHAUST TO PROVIDE ADEQUATE
VENTILAT

ION.

Protective Gloves:NEOPRENE RUBBER GLOVES

Eye Protection:SAFETY GLASSES

Other Protective Equipment:WEAR INDUSTRIAL WORK CLOTHING. USE NEOPRENE
OR TYVEK APRON, BOOTS, JUMPSUIT OR WHOLE BODYSUIT AS APPROPRIATE.

Work Hygienic Practices:DO NOT CONSUME FOOD, DRINK OR TOBACCO IN THE
AREAS WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL.

Supplemental Safety and Health

IF INGESTED, AN ACTIVATED CHARCOAL SLURRY MAY BE USED. TO PREPARE,
SUSPEND 50 GRAMS OF ACTIVATED CHARCOAL IN 400 M

L OF WATER IN A
PLASTIC BOTTLE AND SHAKE WELL. ORALLY ADMINISTER 5 ML/KG, OR 350 ML
FO R AN AVERAGE ADULT. COUMADIN IS USED CLINICALLY AS AN ORAL
ANTICOAGULANT.

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

HCC:T6
Solubility in Water:APPRECIABLE
Appearance and Odor:WHITE CRYSTALLINE POWDER, NO ODOR
Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MA
NUFACTURER.
Hazardous Decomposition Products:WILL NOT DECOMPOSE UNDER NORMAL
CONDITIONS.

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH APPLICABLE
FEDERAL, STATE, AND LOCAL REGULATIONS.

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