

HOFFMANN-LA ROCHE INC -- PROCARBAZINE HYDROCHLORIDE -- 6505-00-175-6061

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Product Identification
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Product ID:PROCARBAZINE HYDROCHLORIDE
MSDS Date:07/14/1989
FSC:6505
NIIN:00-175-6061
MSDS Number: BNBQR
=== Responsible Party ===
Company Name:HOFFMANN-LA ROCHE INC
Address:340 KINGSLAND ST
City:NUTLEY
State:NJ
ZIP:07110-1141
Country:US
Info Phone Num:201-235-3729 OR 201-235-2377
Emergency Phone Num:201-235-3729
CAGE:1V283

==== Contractor Identification ===

Company Name:HOFFMAN-LA ROCHE INC
Address:340 KINGSLAND ST
City:NUTLEY
State:NJ
ZIP:07110-1141
Country:US
Phone:201-235-2323
CAGE:04493
Company Name:HOFFMANN-LA ROCHE INC.
Address:200 ROCHE DRIVE
City:BELVIDERE
State:NJ
ZIP:07823-1112
Phone:(800) 526-0625
CAGE:1V283

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Composition/Information on Ingredients
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Ingred Name:P-TOLUAMIDE, N-ISOPROPYL-A-(2-METHYLHYDRAZINO)-,
MONOHYDROCHLORIDE; (BENZAMIDE) (PROCARBAZINE HYDROCHLORIDE
CHLORIDE)
CAS:366-70-1
RTECS #:XS4725000
Fraction by Wt: 100%

Ingred Name:SUPP DATA:WOMEN SHOULD EXERCISE CAUTION REGARDING POTNTL
EXPOS. ALSO ADVISABLE FOR NURSING MOTHERS TO EXERCISE CAUTION.
RTECS #:9999999ZZ

Ingred Name:SPILL PROC:COVER & MOVE CNTNR TO SAFE HOLDING AREA.CLEAN
SPILL AREA THORO. DECONTAM/DISPOSE OF ALL PROTECTIVE EQUIPMENT.
RTECS #:9999999ZZ

Ingred Name:WASTE DISP METH:REGULATORY AUTHOR BEFORE DETERMINING FINAL

METHOD OF DISP. DISP OF I/A/W FED, STATE & LOCAL REGS .
RTECS #:9999999ZZ

Ingred Name:OTHER PREC:CLOSED CNTNRS UNDER NITROGEN/IN AMBER BOTTLES.
AVOID ALL PERS CNTCT. DO NOT GET IN EYES, ON SKIN OR (ING 6)
RTECS #:9999999ZZ

Ingred Name:ING 5:CLTHG. DO NOT BREATHE DUST. AVOID CREATING DUST WHEN
HNDLG. USE ONLY W/ADEQ VENT. KEEP CNTNR TIGHTLY CLOSED(ING 7)
RTECS #:9999999ZZ

Ingred Name:ING 6:WHEN NOT IN USE. WHEN HNDLG, WEAR PROPER RESP & OTHER
PERS PROTECTIVE EQUIPMENT. FULL BODY SUIT RECOMMENDED.
RTECS #:9999999ZZ

Ingred Name:PROT GLOVES:NOT USE POLYVINYL CHLORIDE.INSPECT FREQUENTLY &
DISCARD WHEN THEY SHOW CUTS, TEARS, PINHOLES/SIGNS OF WEAR).
RTECS #:9999999ZZ

Ingred Name:OTHER PROT EQUIP:FULLY FASTENED DISP LAB COAT/DISP
JUMPSUIT. LAB WORK SURFS SHOULD BE COVERED W/STAINLESS STEEL,(ING
10)
RTECS #:9999999ZZ

Ingred Name:ING 9:PLASTIC TRAYS, DRY ABSORB PLASTIC BACKED PAPER/OTHER
IMPERVIOUS MATL. DECONTAM WORK SURFS & DISPOSE OF (ING 11)
RTECS #:9999999ZZ

Ingred Name:ING 10:PROTECTIVE CLOTHING OR SURFACE COVERING PROPERLY.
EMERGENCY EYEWASH, DELUGE SHOWER .
RTECS #:9999999ZZ

Ingred Name:PH: 3-4 (5% IN H*2O)
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:LD50:(ORAL,RAT)785 MG/KG.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE/CHRONIC:BASED ON SYMPS ASSOC
W/THERAPEUTIC USE OF MATL, MOST COMMON EFTS ARE:BLOOD CHANGES,
I.E.,DECREASE IN NUMBER OF WHITE CELLS & PLATELETS; GI EFTS,
E.G.,NAUSEA & VOMIT. OTHER REPORTED EFTS INCLUDE:CENTRAL &
PERIPHERAL NERVOUS SYS EFTS, E.G.,NUMBNESS & TINGLING SENSATIONS,
DIZZ; PSYCHO-MOTOR (EFTS OF OVEREXP)
Explanation of Carcinogenicity:PROCARBAZINE HYDROCHLORIDE: GROUP 2
(NTP), GROUP 2A (IARC).
Effects of Overexposure:HLTH HAZ:EFTS, E.G.,WEAKNESS & FATIGUE, DROWS,
HDCH; SKIN RXN, E.G.,DERM & ITCHING; MUSC EFTS, E.G.,JOINT PAIN;
RESP EFTS, E.G.,FLUID BUILD-UP IN PERITONEAL & PLEURAL CAVITY,
EDEMA, DFCLTY IN BRTHG, C OUGH; TEMP ABNORM, E.G.,CHILLS, FEVER;
BLEEDING TENDENCY, E.G.,INTRADERMAL HEMMORHAGE, NOSEBLEEDS. MAY
CAUSE (SUPP DATA)
Medical Cond Aggravated by Exposure:PROCARBAZINE HYDROCHLORIDE ALLERGY
HISTORY, IMPAIRED LIVER/KIDNEY FUNCTION; BLOOD DISTURB; BASED ON

THERAPEUTIC USE OF MATL, ADVERSE RXN MAY OCCUR W/ALCOHOLIC BEVERAGES, E.G.,INTENSE WARMTH(SUPP DATA)

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

First Aid: EYE: FLUSH W/PLENTHY OF WATER. IF IRRIT, CALL MD. SKIN: FLUSH W/PLENTHY OF WATER & WASH CNTCT AREA W/SOAP & WATER. IF IRRIT, CALL MD. REMOVE CONTAMD CLTHG & SHOES & WASH BEFORE REUSE. INHAL: REMOVE TO FRES H AIR. IF DISCOMFORT OCCURS/PERSISTS, CALL MD. INGEST: CALL MD IMMEDIATELY .

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

Extinguishing Media: AS APPROPRIATE FOR FIRE IN SURROUNDING MATERIALS. Fire Fighting Procedures: WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT . USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Unusual Fire/Explosion Hazard: UNKNOWN.

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

Spill Release Procedures: EVACUATE AREA & DO NOT RETURN UNLESS PROT BY NIOSH/MSHA APPRVD SCBA & PERS PROT CLTHG. SHUT OFF SOURCE OF LEAK/SPILL IF SAFE TO DO SO. AVOID SKIN CNTCT/BRTHG DUSTS. SCOOP/SHOVEL SPILLED MATL INTO SUIT ABLE LABELED OPEN-HEAD DRUM. SECURE DRUM (ING 3)

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: UNDERGOES OXIDATION BY ATMOSPHERIC O*2 IN PRESENCE OF MOISTURE/IN AQ SOLN (AUTOXIDATION MAY BE CATALYZED BY METAL IONS, E.G., MANGANESE & COPPER).

Other Precautions: DEGRADES RAPIDLY IN ALCOHOLIC MEDIA. BEST STABILITY IS IN AQUEOUS ACID. VERY SENSITIVE TO ULTRAVIOLET LIGHT. AVOID CNTCT W/AIR & LIGHT. ALL OPERATIONS MUST BE CARRIED OUT UNDER NITROGEN. STORE AT ROOM TEMP IN DRY PLACE IN TIGHTLY (ING 5)

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

Respiratory Protection: USE NIOSH/MSHA APPROVED SUPPLIED-AIR POSITIVE-PRESSURE FULL FACEPIECE RESPIRATOR OR SUPPLIED-AIR HOOD.

Ventilation: LOCAL EXHAUST: SPECIFIC VENTILATION REQUIRED.

MECHANICAL: REQUIRED. OTHER: LABORATORY-TYPE HOOD.

Protective Gloves: DISPOSABLE SURGICAL LATEX (DO (ING 8)

Eye Protection: CHEM WORK GOG & FULL LENGTH FSHLD.

Other Protective Equipment: PROD OPS: WEAR FULL BODY SUIT INCLDG HEAD & FOOT COVERING W/SLEEVES TUCKED UNDER GLOVES & TAPED. FOR LAB OPS: WEAR (ING 9)

Work Hygienic Practices: DECONTAM WORK SURFS & DISPOSE OF PROT CLTHG/SURF COVERING PROPERLY. WASH THOROUGHLY OR SHOWER AFTER HANDLING.

Supplemental Safety and Health

SOL IN H*2O: (200 MG/ML) BUT DECOMPOSES. EFTS OF OVEREXP: CANCER & TERATOGENIC EFTS. MAY AFFECT MALE FERTILITY. MED CDNTNS: & REDDENING OF FACE, AS WELL AS W/CERTAIN FOODS & CERTAIN OTHER

DRUGS. NOTE:SI NCE MATL MAY AFFECT MALE REPRO CAPABILITY &
DEVELOPING FETUS, MALES/FEMALES PLANNING TO HAVE A CHILD & PREGNANT
(ING 2)

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

Melt/Freeze Pt:M.P/F.P Text:433F,223C
pH:ING 12
Solubility in Water:VERY SOL (SUPP DATA)
Appearance and Odor:WHITE TO PALE YELLOW CRYSTALLINE POWDER; SLIGHT,
CHARACTERISTIC ODOR.

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

Stability Indicator/Materials to Avoid:YES
Hazardous Decomposition Products:TOXIC FUMES OF OXIDES OF NITROGEN AND
HYDROGEN CHLORIDE.

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

Waste Disposal Methods:DISPOSE OF AS HAZ WASTE. TRANSPORT TO FED &
STATE APPRVD FACILITY FOR TREATMENT, STOR/DISP OF HAZ WASTES. BURN
IN CHEM INCIN EQUIPPED W/AFTERBURNER & SCRUBBER. HAZ WASTE MANIFEST
MUST BE USED. STATE H AZ WASTE REGS MAY VARY; CHECK W/LOCAL (ING 4)

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