

NATIONAL PHARMACEUTICAL MFG CO, DIV BARRE-NATIONAL -- LINDANE SHAMPOO USP, 1% --  
6505-00-268-8574

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

Product ID:LINDANE SHAMPOO USP, 1%

MSDS Date:09/07/1997

FSC:6505

NIIN:00-268-8574

MSDS Number: CFRDF

=== Responsible Party ===

Company Name:NATIONAL PHARMACEUTICAL MFG CO, DIV BARRE-NATIONAL

Address:7205 WINDSOR BLVD

City:BALTIMORE

State:MD

ZIP:21207-2642

Country:US

Info Phone Num:800-638-9096/410-298-1000

Emergency Phone Num:800-638-9096/410-298-1000

Preparer's Name:VIMAL BAHL

CAGE:LO035

=== Contractor Identification ===

Company Name:ALPHRMA,U.S. PHARMACEUTICALS DIV(ALIAS: BARRE-NATIONAL  
INC)

Address:7205 WINDSOR BLVD

Box:City:BALTIMORE

State:MD

ZIP:21244

Country:US

Phone:410-298-1000

Contract Num:NOC0472-0572--02

CAGE:57979

Company Name:NATIONAL PHARMACEUTICAL MFG CO, DIV BARRE-NATIONAL

Address:7205 WINDSOR BLVD

Box:City:BALTIMORE

State:MD

ZIP:21207-2

642

Country:US

Phone:800-638-9096/410-298-1000

CAGE:LO035

Company Name:RUGBY LABORATORIES INC

Address:865 MERRICK AVE.

Box:City:WESTBURY

State:NY

ZIP:11590

Country:US

Phone:800-537-3175

CAGE:4V824

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

Ingred Name:LINDANE, (HEXACHLOROCYCLOHEXANE,GAMMA ISOMER) (SARA  
302/313) (CERCLA)

CAS:58-89-9

RTECS #:GV4900000

Fraction by Wt: 1%

Other REC Limits:NONE RECOMMENDED

1 LB  
DOT Rpt Qty:1 LB

Ingred Name:ACETONE (SARA 313) (CERCLA)  
CAS:67-64-1  
RTECS #:AL3150000  
Minumum % Wt:9.  
Maxumum % Wt:10.  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1000 PPM  
ACGIH TLV:750PPM/1000STEL;9596  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: BALANCE  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:NOT RELEVANT  
ACGIH TLV:NOT RELEVANT

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

LD50 LC50 Mixture:ORAL R  
AT LD50=76 MG/KG BODY WT (LINDANE)  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:CENTRAL NERVOUS SYSTEM DEPRESSION.  
Explanation of Carcinogenicity:THE NATIONAL TOXICOLOGY PROGRAM HAS  
CLASSIFIED LINDANE AS A SUBSTANCE THAT MAY REASONABLY BE HUMAN  
CARCINOGEN.  
Effects of Overexposure:SKIN RASH. DIZZINESS, FAST HEARTBEAT, MUSCLE  
CRAMPS, NERVOUSNESS, VOMITING.  
Medical Cond Aggravated by Expo  
sure:CONVULSIVE DISORDERS, SENSITIVITY  
TO LINDANE, SKIN RASH.

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

First Aid:GET MEDICAL ATTENTION. EYE:FLUSH WITH WATER FOR 15 MINUTES.  
GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP & WATER. REMOVE  
CONTAMINATED CLOTHES AND SHOES. INHALATION: REMOVE TO FRESH AIR.  
PROVIDE CPR/OX YGEN IF NEEDED. ORAL:GET MEDICAL ATTENTION OR  
CONTACT POISON CONTROL CENTER.

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

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Flash Point:=23.9C, 75.F  
75F

Lower Limits:2.8% ACETONE

Upper Limits:12.8% ACETON

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICALS, ALCOHOL FOAM, WATER  
MIST OR FOG.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND  
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL  
FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE. USE WATER SPRAY  
TO COOL FIRE EXPOSED CONTAINERS & STRUCT URES, USE WATER FOG TO  
DISPERSE VAPORS; RE-IGNITION IS POSSIBLE.

Unusual Fire

/Explosion Hazard:NONE. TOXIC FUMES MAY BE EMITTED DURING  
FIRE.

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

Spill Release Procedures:VENTILATE AREA. WEAR PROTECTIVE CLOTHING &  
RESPIRATORY EQUIPMENT SUITABLE FOR TOXIC DUSTS. CAREFULLY SWEEP,  
SCOOP/PICK UP SPILLED MATERIAL. AVOID DUST DISPERSAL. PACKAGE FOR  
RECLAMATION/DISPOSAL. DO N OT FLUSH TO SEWER/WATERWAYS. CRAPE CLEAN  
SPILL AREA.

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

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Handling and Storage Precautions:DO NOT STORE NEAR FOOD, FEED, SEED,  
FERTILIZERS. DO NOT CONTAMINATE WATER. STORE IN CLOSED CONTAINER.

Other Precautions:KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE  
ONLY. AVOID BREATHING VAPOR OR DUST. DO NOT INGEST. DO NOT GET IN  
EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING OR  
BEFORE EATING OR DRI NKING.

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

Respiratory Protection:USE NIOSH-APPROVED RESPIRAT  
OR FOR PESTICIDE DUST  
AND VAPOR. WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING  
APPARATUS FOR EMERGENCY CONDITIONS WHERE EXPOSURE LIMITS ARE  
EXCEEDED.

Ventilation:USE LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

Protective Gloves:CHEMICAL-RESISTANT

Eye Protection:SAFETY/CHEMICAL GOGGLES

Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND  
IMPERVIOUS CLOTHING

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. DO

NOT WEAR CONTAMINATED CLOTHING OR  
FOOTWEAR.

Supplemental Safety and Health

PRODUCT NDC CODE: 0000-0572-00. SYNONYMS: KWELL SHAMPOO.

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

HCC:F3

Spec Gravity:1.03

pH:6.2 - 7

Appearance and Odor:LIGHT YELLOW SHAMPOO WITH SLIGHT ACETONE ODOR.

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

Stability Indicator/Materials to Avoid:YES

FIRES, HOT SURFACES, AND IGNITION SOURCES.

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS MAY BE  
HAZARDOUS. THESE MAY INCLUDE CHLORINE, HYDROGEN CHLORIDE, PHOSGENE,  
TRICHLOROBENZENE AND THE OXIDES OF CARBON.

Conditions to Avoid Polymerization:POLYMERIZATION WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:SKIN LD50 (RABBITS)= 4,888 MG/KG BODY WT FOR  
LINDANE SHAPOO. EYES:SLIGHT IRRITATION, SKIN:NON-IRRITATING.

INHALATION LC50= 1.6 MG/L (NOSE EX  
POSURE ONLY FOR LINDANE). ORAL  
LD50 FOR ACETONE IN RABBITS= 6340 MG/KG.

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

Waste Disposal Methods:RCRA CHARACTERISTICS WASTE. IDSPOSE OF THIS  
MATERIAL IN ACCORDANCE WITH APPLICABLE INTERNATIONAL, NATIONAL,  
STATE, AND LOCAL WASTE DISPOSAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:PER MSDS PSN FOR DOT: CONSUMER COMMODITY, ORM-D.  
HMIS AND DDSP-VP THINK

THE PROPER NAME FOR SHIPPING SHOULD BE:  
FLAMMABLE LIQUID, N.O.S. (CONTAINS ACETONE AND  
LINDANE0,3,UN1993,III. LTD QTY. MARINE POLLUTANT LABEL REQUIRED.

===== Regulatory Information =====

SARA Title III Information:LINDANE AND ACETONE ARE SUBJECT TO CERCLA  
REPORTING REQUIREMENTS, RQ=1 LB (LINDANE), AND RQ=5,000 LBS FOR  
ACETONE. IF THERE IS A RELEASE OF 11.75 GALLONS (44.5 LITERS) OF  
THIS PRODUCT, APPROPRIATE REGULATORY AGENCIES NEED TO BE I  
NFORMED.

Federal Regulatory Information:THE INGREDIENTS OF THIS PRODUCT ARE ON  
THE TSCA INVENTORY.

===== Other Information =====

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This information is formulated for use by elements of the Department  
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