

L AND R MFG CO -- GENERAL PURPOSE CLEANER CONCENTRATE-AMMONIA

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MSDS Safety Information  
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FSC: 6520  
NIIN: 01-153-6144  
MSDS Date: 08/13/1992  
MSDS Num: BQWNM  
Product ID: GENERAL PURPOSE CLEANER CONCENTRATE-AMMONIA  
MFN: 01  
Responsible Party  
Cage: 17656  
Name: L AND R MFG CO  
Address: 577 ELM  
City: KEARNY NJ 07032  
-3604  
Info Phone Number: 201-991-5330 FAX: 201-991-5870  
Emergency Phone Number: 201-991-5330 OR 800-572-5326  
Preparer's Name: PHILIP LANG  
Review Ind: Y  
Published: Y

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Contractor Summary  
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Cage: 17656  
Name: L AND R MFG CO  
Address: 577 ELM  
City: KEARNY NJ 07032-3604  
Phone: 201-991-5330/800-572-5326

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Item Description Information  
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Item Name: CLEANING COMPOUND,ULTRASONIC,DENTAL  
Unit of Issue: PG  
Quantitative Expression: 0000000004GL  
UI Container Qty: 1  
Type of Container: PLASTIC BTL

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Ingredients  
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Cas: 1336-21-6  
RTECS #: BQ9625000  
Name: AMMONIUM HYDROXIDE (SARA III)  
% Wt: 30-40  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

EPA Rpt Qty: 1000 LBS  
DOT Rpt Qty: 1000 LBS

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Cas: 7732-18-5  
RTECS #: ZC0110000  
Name: WATER  
% Wt: 10-20  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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Cas: 112-80-1  
RTECS #: RG2275000  
Name: OLEIC ACID  
% Wt: 5-10  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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Cas: 67-63-0  
RTECS #: NT8050000  
Name: ISOPROPYL ALCOHOL (SARA III)

% Wt: 20-25  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 400 PPM/500 STEL  
ACGIH TLV: 400 PPM/500STEL;9293

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Cas: 8002-09-3  
RTECS #: TK5100000  
Name: PINE OIL  
% Wt: 5-10  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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Health Hazards Data  
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LD50 LC50 Mixture: PEL=50PPM NH4OH  
Route Of Entry Inds - Inhalation: YES  
Skin: YE

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Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: EYES:AMMONIA VAPORS WILL IRRITATE

EYES.SKIN:IRRITANT.INGEST:MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT AND CNS DEPRESSION.INHAL:MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT.

Explanation Of Carcinogenicity: AMMONIUM HYDROXIDE HAS BEEN INVESTIGATED BY RTECS 92-4 AS A MUTAGEN.

Signs And Symptions Of Overexposure: SKIN:REDNESS.INGEST:CNS DEPRESSION.

Medical Cond Aggravated By Exposure: PERSONS WITH SKIN DIS ORDERS MAY BE AT

INCREASED RISK FROM EXPOSURE.

First Aid: EYES:FLUSH WITH RUNNING WATER FOR ATLEAST 15 MINUTES.SKIN:WASH WITH SOAP AND WATER.CALL PHYSICIAN IF IRRITATION PERSISTS.INGEST:DO NOT INDUCE VOMITING!GIVE LARGE AMOUNTS OF WATER AND SEEK MEDICAL ATTE NTION.INHAL:REMOVE TO FRESH AIR.IF SYMPTOMS PERSISTS,SEEK MEDICAL ATTENTION.

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Handling and Disposal  
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Spill Release Procedur

es: FLUSH AREA WITH WATER.

Neutralizing Agent: NONE

Waste Disposal Methods: MATERIEL IS BIODEGRADABLE.DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL LAWS.

Handling And Storage Precautions: STORE AT ROOM TEMPERATURE,AWAY FROM EXCESS HEAT.PROTECT FROM FREEZING.

Other Precautions: NONE  
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Fire and Explosion Hazard Information  
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Flash Point Method: TCC

Flash Point Text: 93.0F,33.9C

Extinguishing Media: DRY CHEMICAL,CARBON DIOXIDE,HALON,FOAM OR WATER SPRAY.

Fire Fighting Procedures: SUGGESTS TO USE A SELF-CONTAINED BREATHING APPARATUS WHENEVER FIGHTING A CHEMICAL FIRE.

Unusual Fire/Explosion Hazard: MAY BE AUTOIGNITED.  
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Control Measures  
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Respiratory Protection: NOT NORMALLY REQUIRED.

Ventilation: USE WITH ADEQUATE VENTILATION.

Protective Gloves: RUBBER GLOVES

Eye

Protection: SAFETY GLASSES FOR SPLASHING.  
Other Protective Equipment: SOURCE OF CLEAN WATER FOR FLUSHING SKIN AND EYES.  
Work Hygienic Practices: WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.  
Supplemental Safety and Health: NONE

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Physical/Chemical Properties  
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HCC: F6  
B.P. Text: 212F,100C  
Spec Gravity: 0.95  
PH: 11  
.5  
Solubility in Water: COMPLETE  
Appearance and Odor: LIQUID,HAZY;PINK;AMMONIA ODOR  
Percent Volatiles by Volume: 85

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Reactivity Data  
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Stability Indicator: YES  
Stability Condition To Avoid: HIGH HEAT,SPARKS,FLAMES.  
Materials To Avoid: DO NOT USE ON ALUMINUM,MAGNESIUM,CADMIUM OR ZINC.TEST ON LACQUERS AND PLASTICS BEFORE USING.  
Hazardous Decomposition Products: CARBON DIOXIDE,CARBON MONOXIDE,AMMONIA VAPORS.  
Hazardous Polymerization Indicator: NO  
Conditions To Avoid Polymerization: NONE

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Toxicological Information  
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Ecological Information  
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MSDS Transport Information  
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Regulatory Information  
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Other Information  
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Transportation Information  
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Responsible Party Cage: 17656  
Trans ID NO: 111514  
Product ID: GENERAL PURPO

SE CLEANER CONCENTRATE-AMMONIA

MSDS Prepared Date: 08/13/1992

Review Date: 06/22/1993

MFN: 1

Tech Entry NOS Shipping Nm: ULTRASONIC DENTAL CLEANING

CMPD:NH4OH(30-40%);H2O;OLEIC ACID(5-10);ISO-PR-OH(20-25);PINE OIL(5-10).

Net Unit Weight: 31.6 LBS

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: PG

Container QTY: 1

Type Of Container: PLASTIC BTL

Additional Data: NONE

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Detail DOT Information  
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DOT PSN Code: GJL

Symbols: G

DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.

Hazard Class: 3

UN ID Num: UN1993

DOT Packaging Group: III

Label: FLAMMABLE LIQUID

Special Provision: B1,B52,T7,T30

Packaging Exception: 150

Non Bulk Pack: 203

Bulk Pack: 242

Max Qty Pass: 60 L

Max Qty Cargo: 220 L

Vessel Stow Req: A

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Detail IMO Information  
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IMO PSN Code: HIP

IMO Proper Shipping Name: FLAMMABLE LIQUID, CORROSIVE, N.O.S. o

ame: FLAMMABLE LIQUID, CORROSIVE, N.O.S. o

IMDG Page Number: 3346

UN Number: 2924

UN Hazard Class: 3.3

IMO Packaging Group: III

Subsidiary Risk Label: CORROSIVE

EMS Number: 3-02

MED First Aid Guide NUM: 760

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Detail IATA Information  
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IATA PSN CA

IATA UN ID Num: 1993

IATA Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. \*

IATA UN Class: 3

IATA Label: FLAMMABLE LIQUID

UN Packing Group: III

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acking Note Passenger: 309  
Max Quant Pass: 60L  
Max Quant Cargo: 220L  
Packaging Note Cargo: 310

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Detail AFI Information  
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AFI PSN CA  
AFI Symbols: \*  
AFI Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.  
AFI Hazard Class: 3  
AFI UN ID NUM: UN1993  
AFI Packing Group: III  
Special Provisions: P5  
Back Pack Reference: A7.3

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HAZCOM Label  
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Product ID: GENERAL PURPOSE CLEANER CONCENTRATE-AMMONIA  
Cage: 17656  
Company Name: L AND R MFG CO  
Street: 577 ELM  
City: KEARNY NJ  
Zipcode: 07032-3604  
Health Emergency Phone: 201-991-5330 OR 800-572-5326  
Label Required IND: Y  
Date Of Label Review: 12/16/1998  
Status Code: C  
Label Date: 12/16/1998  
Origination Code: G  
Hazard And Precautions: EYES:AMMONIA VAPORS WILL IRRITATE  
EYES.SKIN:IRRITANT.INGEST:MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT AND CNS  
DEPRESSION.INHAL:MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT.  
  
SKIN:REDNESS.INGEST:CNS DEPRESSION.

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