ituri # 30902 30903

MATERIAL SAFETY DATA SHEET

DATE PREPARED: REVISED MAY 1, 1997

IDENTITY (AS USED ON LABEL AND LIST):

HOUSEHOLD AMMONIA - 5.5%

SUDSY

SECTION I

MANUFACTURER'S NAME:

EMERGENCY TELEPHONE NUMBER:

NAR ENTERPRISES, INC.

(206)922-1775 OR (206)838-3980

ADDRESS:

5006 85TH AVENUE EAST, #F-9 PUYALLUP, WASHINGTON 98371

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS

OSHA

ACGIH

OTHER PERCENT

CHEMICAL NAME: PEL TLV LIMITS

AMMONIUM HYDROXIDE

(CAS #7664-41-7)

50 PPM

25 PPM **35 PPM** 5.50%

NO OTHER INGREDIENTS CONSIDERED HAZARDOUS.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT:

81 F

SPECIFIC GRAVITY: APPROXIMATELY .94

VAPOR PRESSURE(MM HG):

708

MELTING POINT:

NOT APPLICABLE

VAPOR DENSITY(AIR=1):

0.59

EVAPORATION RATE(BUTYL ACETATE=1): LESS

SOLUBILITY IN WATER:

COMPLETELY SOLUBLE

APPEARANCE AND ODOR:

CLEAR SOLUTION, PUNGENT IRRITATING ODOR.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:

NON-FLAMMABLE

FLAMMABLE LIMITS: NONE

LEL: N/A UEL: N/A

EXTINGUISHING MEDIA:

WATER OR OTHER EXTINGUISHING AGENT APPROPRIATE

TO SURROUNDING FIRE CONDITIONS.

SPECIAL FIRE FIGHTING PROCEDURES: FIREFIGHTERS SHOULD WEAR SELF-CONTAINED

BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.

UNUSUAL FIRE AND EXPLOSION HAZARDS: **ACCUMULATIONS OF AMMONIA** IN CONFINED SPACES MAY EXPLODE IF EXPOSED TO A STRONG IGNITION SOURCE.

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PAGE TWO - HOUSEHOLD AMMONIA, SUDSY

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:

INHALATION?

SKIN?

INGESTION?

YES

YES

YES

HEALTH HAZARDS (ACUTE AND CHRONIC) EYES: IMMEDIATE INTENSE IRRITATION AND PAIN. SKIN: CORROSIVE BURNS OR BLISTERS MAY FORM IF CONTACT IS PROLONGED FOR MORE THAN A FEW MINUTES. INHALATION: SEVERELY IRRITATING TO THROAT AND RESPIRATORY TRACT. INGESTION: SEVERE BURNING OF THE ESOPHAGUS, STOMACH, MOUTH, THROAT. CAN CAUSE DEATH.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO

OSHA REGULATED? NO

SIGNS AND SYMPTOMS OF EXPOSURE:

BURNING AND REDNESS OF EYES AND/OR SKIN.

BURNING SENSATION TO NASAL PASSAGES.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

LUNG AND

RESPIRATORY PROBLEMS.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: IMMEDIATELY FLOOD WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES.

SKIN: WASH WITH SOAP AND WATER.

INHALATION: REMOVE PROMPTLY TO FRESH AIR.

INGESTION: DO NOT INDUCE VOMITING. DRINK LARGE AMOUNTS OF WATER.

ALL CASES, SEEK MEDICAL ATTENTION.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: **FLUSH SMALL** SPILLS WITH LARGE QUANTITIES OF WATER. CONTAIN LARGE SPILLS BY DIKING WITH SAND OR OTHER INERT MATERIAL. PUMP INTO DRUMS.

WASTE DISPOSAL METHOD:

CHECK WITH APPROPRIATE FEDERAL AGENCIES.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

STORE IN A COOL, DRY.

WELL-VENTILATED AREA IN CLOSED CONTAINERS. PROTECT CONTAINERS FROM CORROSION

AND PHYSICAL DAMAGE.

OTHER PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: USE NIOSH/MSHA APPROVED RESPIRATORS

WHERE MIST, SPRAY, VAPOR MAY BE GENERATED.

VENTILATION:

LOCAL EXHAUST IS SUFFICIENT TO REDUCE VAPORS.

PROTECTIVE GLOVES:

RUBBER GLOVES ARE RECOMMENDED.

EYE PROTECTION: CHEMICAL GOGGLES ARE RECOMMENDED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: PROVIDE EYEWASH STATIONS AND

QUICK-DRENCH SHOWER FACILITIES CONVENIENT TO THE WORKPLACE. WORK/HYGIENIC PRACTICES: WASH THOROUGHLY AFTER HANDLING.

DO NOT GET INTO EYES.