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MATERIAL SAFETY DATA SHEET
MSDS A-101 REVISION 7

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SUBSTANCE IDENTIFICATION

SUBSTANCE: HOUSEHOLD AMMONIA

TRADE NAMES/SYNONYMS: **PARSONS' LIQUID HOUSEHOLD AMMONIA (SUDSY, PINE, CLEAR, and LEMON); BO PEEP LIQUID HOUSEHOLD AMMONIA (LEMON, SUDSY/CLOUDY, CLEAR, and SPARKLING)**

CHEMICAL FAMILY: Mixture

I.D. NUMBERS: 980012-4 & 980024-1 (Parsons' Sudsy), 980013-3 & 980026-0 (Parsons' Pine), 980014-5 & 980032-0 (Parsons' Clear) 980015-5 & 980025-1 (Parsons' Lemon); 980029-0 (Bo Peep Cloudy), 980030-0 (Bo Peep Lemon), 980031-0 (Bo Peep Sparkling)

NFPA RATINGS (Scale 0-4, where 4=high degree of hazard): HEALTH=3 FLAMMABILITY=1 REACTIVITY=0
HMIS RATINGS (Scale 0-4, where 4=severe hazard): HEALTH=3 FLAMMABILITY=1 REACTIVITY=0

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission. The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this Material Safety Data Sheet differ from the requirements of the CPSC and as a result, this MSDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

HAZARDOUS INGREDIENT INFORMATION

COMPONENT: AMMONIUM HYDROXIDE (as NH_3): CAS# 1336-21-6
25 ppm (17 mg/m^3) ACGIH TWA; 35 ppm (24 mg/m^3) ACGIH & OSHA STELs
25 ppm (17 mg/m^3) NIOSH recommended TWA; 35 ppm (24 mg/m^3) NIOSH recommended STEL
500 ppm NIOSH IDLH

NOTE: OSHA revoked the final rule exposure limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1993. See CFR 1910.1000 (58 FR 35338).

Carcinogen status of components: Not listed as carcinogenic by NTP, IARC, or OSHA.

PHYSICAL AND CHEMICAL DATA

DESCRIPTION: Clear, cloudy-white or colored liquid with a distinct ammonia odor.

SPECIFIC GRAVITY: 0.9881-0.9997 @ 25°C VOLATILITY: >99%

SOLUBILITY IN WATER: Complete. PH: 11.2-11.5

BOILING POINT: 191-212 °F

FIRE AND EXPLOSION DATA

FLASH POINT: > 210° F

FIRE AND EXPLOSION HAZARD - Negligible fire hazard when exposed to heat or flame. However, if ammonia gas is evolved, it is flammable.

FIRE FIGHTING MEDIA - Dry chemical, carbon dioxide, water spray or regular foam.

FIRE FIGHTING - Move container from fire area if you can do it without risk. Do not scatter spilled material with high-pressure water streams. Dike fire-control water for later disposal. Use agents suitable for type of surrounding fire. Avoid breathing hazardous vapors, keep upwind.

HEALTH HAZARD DATA

NOTE: The acute health effects described below are those which could potentially occur for the finished product. They are based on the toxicology information available for the finished product and/or each hazardous ingredient, and are consistent with the product type and the likelihood of a specific route of exposure. Known chronic health effects related to exposure to a specific ingredient are indicated.

ACUTE HEALTH EFFECTS:

INHALATION: Mild exposure to ammonia vapors may cause irritation of the nose and throat, coughing, and sneezing. A more severe exposure may cause respiratory irritation, olfactory fatigue, labored breathing, and pulmonary edema.

SKIN CONTACT: Irritant. Repeated or prolonged contact may cause dermatitis.

EYE CONTACT: May cause immediate severe pain, closure of eyelids, and corneal injury.

INGESTION: May cause immediate pain and burns of the mucous membranes. The esophagus and stomach may be involved with burning pain, vomiting and diarrhea.

CHRONIC HEALTH EFFECTS: None are known for the product.

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE: Pre-existing skin conditions and respiratory illnesses (such as asthma).

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Immediately remove from exposure area to fresh air. Keep affected person warm and at rest. Treat symptomatically and supportively. Contact physician or local poison control center. If breathing has stopped, give artificial respiration, and get medical attention immediately.

SKIN CONTACT: Immediately remove contaminated clothing and shoes. Rinse affected area with mild soap and large amounts of water until no evidence of product remains. Get medical attention if irritation persists.

EYE CONTACT: Immediately rinse eyes with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains (at least 15-20 minutes). Get medical attention immediately.

INGESTION: Immediately get medical attention. Treat symptomatically and supportively. DO NOT induce vomiting. Maintain airway and respiration. If vomiting occurs, keep head below hips to prevent aspiration. Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. If unconscious, the victim should not be given anything to drink.

REACTIVITY

REACTIVITY - Stable under normal temperatures and pressures.

INCOMPATIBILITIES: Chlorine, hypochlorite, acids, metals.

DECOMPOSITION - Thermal decomposition products may produce corrosive vapors of ammonia and toxic oxides of nitrogen.

POLYMERIZATION - Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

STORAGE AND DISPOSAL

Store away from incompatible substances and excessive heat. Store in cool, ventilated area. Observe all federal, state and local regulations when storing or disposing of this substance.

CONDITIONS TO AVOID

Avoid contact with incompatible substances and excessive heat. DO NOT mix with other household chemicals, such as bleach, toilet bowl cleaners, wall or tile cleaners.

SPILL AND LEAK PROCEDURES

OCCUPATIONAL SPILL - Do not touch spilled material. Stop leak if you can do it without risk. Ventilate area. For small spills, take up with sand or other absorbent material and place into containers for later disposal. Move containers from spill area. For larger spills, dike far ahead of spill for later disposal. Keep upwind of spill. Keep unnecessary people away. Isolate hazard area and deny entry.

OCCUPATIONAL PROTECTIVE EQUIPMENT

VENTILATION - Provide local exhaust ventilation system to meet published exposure limits, if ammonia vapors are likely to approach or exceed published exposure limits.

RESPIRATOR - Air contamination monitoring should be carried out if ammonia vapors are likely to approach or exceed published exposure limits, to assure that the employees are not exposed to harmful concentrations. If respiratory protection is required, it must be based on the contamination levels found in the workplace, must not exceed the working limits of the respirator and be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA).

FOR FIRE FIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS - Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode. Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.

CLOTHING -Protective (impervious) clothing should be worn where splashing may occur and repeated or prolonged skin contact may occur.

GLOVES - Chemical-resistant gloves should be worn where repeated or prolonged skin contact may occur.

EYE PROTECTION - Splash-proof, safety goggles should be worn where eye contact is likely to occur.

REGULATORY INFORMATION

DOT/EPA HAZARD CLASS: Not applicable.

SHIPPING NAME: See product name.

EPA - SARA TITLE III SECTION 313: Toxic chemical - No.

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MSDS CREATION DATE: 04/24/92
REVISION DATE: 08/09/95
REVISION: New MSDS format; remove private label names from Substance Indentification; add new emergency telephone numbers; add I.D. numbers; add NFPA and HMIS ratings; update chemical information.