

{}{}{}{}{} - MATERIAL SAFETY DATA SHEET - {}{}{}{}{}{}{}{}{}

COMPLIES WITH OSHA SCS 29,CFR 1910.1200-ND OSHA 174

PRODUCT NAME: ACE JANITOR STRENGTH AMMONIA 10%

EMERGENCY CONTACT NUMBER: 1-800-424-9300

# 610183  
# 610184

SECTION #1 MANUFACTURER

PATTERSON LABORATORIES, INC.  
11930 PLEASANT AVENUE 15836 W. TROCAR  
DETROIT, MI 48217 GOODYEAR, ARIZONA 85338

NUMBER FOR GENERAL INFORMATION: 1-313-843-4500

SECTION #2 HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Name)	OSHA (PEL)	ACCIH (TEL)
AMMONIA (AS NH3)	50ppm	25ppm NIOSH
*AMMONIA (GAS)		50ppm

SECTION #3 PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 156 to 212 degrees F. MELTING POINT: N/A  
VAPOR PRESSURE: NO DATA FREEZING POINT: 6F  
SPECIFIC GRAVITY: .959 PH: 11.9  
EVAPORATION RATE: 1 VAPOR DENSITY:  
SOLUBILITY IN WATER: Complete NO DATA  
APPEARANCE/ODOR: Clear, liquid with a distinct pungent ammonia odor.

SECTION #4 FIRE & EXPLOSIVE HAZARD DATA

FLASH POINT(Method Use) Non-Flammable  
FLAMMABLE LIMITS (LEL)-16% (UEL)-27%  
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, water,  
spray or foam.  
SPECIAL FIRE FIGHTING PROCEDURES: If possible, move product  
from the fire area. Cool fire exposed containers with  
water.  
UNUSUAL FIRE & EXPLOSIVE HAZARDS: Negligible fire &  
explosive hazard. If ammonia is involved, it is flammable.

SECTION #5 REACTIVITY DATA

**STABILITY:** Stable                    **CONDITIONS TO AVOID:** Heat  
**INCOMPATIBILITY:** Chlorine, iodine, hypochlorite, mineral acids. Violent reactions may occur with incompatible materials, releasing irritating or toxic gases.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Toxic oxides of nitrogen and ammonia gas.  
**HAZARDOUS POLYMERIZATION:** Will not occur.

SECTION #6 HEALTH HAZARD DATA

**ROUTE OF ENTRY:** Inhalation-likely, Skin-likely, Ingestion-unlikely  
**HEALTH HAZARDS:** (ACUTE)-Based on the testing of this product, it is both an eye and skin irritant, and toxic by Ingestion. (CHRONIC)- Not determined on this product.

<b>CARCINOGENICITY:</b>	NTP	IARC MONOGRAPH	OSHA REGULATED?
	N/A	N/A	N/A

Not determined for finished product or ammonia (NH3), the hazardous component in the product.

**SIGNS AND SYMPTOMS OF EXPOSURE:**

**INHALATION:** Mild exposure to ammonia vapors may cause irritation of the nose, throat, coughing and sneezing. A more severe exposure may cause respirator irritation, dyspnea, pulmonary edema.  
**INGESTION:** May cause excessive salivation, nausea, vomiting, gastric irritation, with chances of perforation. Ingestion of large quantities may produce CNS depression, shock and convulsions.  
**SKIN:** Powerful irritant, may cause severe burning pain and corrosive damage. Repeated or prolonged exposure may cause dermatitis.  
**EYES:** Powerful irritant, may cause conjunctivitis, swelling of eyelids, chemical burn, transient corneal damage, while repeated or prolonged exposure may cause cataracts and retinal atrophy.  
**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** None  
**EMERGENCY AND FIRST AID PROCEDURES:** EYES- Immediately flush with running water for at least 15 minutes. Get prompt medical attention. SKIN - Rinse well with running water. If irritation persists, contact a physician or local poison control center. INHALATION - Remove victim to fresh air. Provide symptomatic and supportive care. Contact physician or poison control center. INGESTION - Immediately give large quantities of water or milk to dilute. Do not induce vomiting. Get PROMPT medical attention.

SECTION #7 PRECAUTIONS FOR SAFE HANDLING AND USE

**EYE PROTECTION:** Avoid eye contact. Wear protective safety glasses or face shield.

**SKIN PROTECTION:** Avoid prolonged skin contact. Wear protective gloves.

**RESPIRATORY PROTECTION:** Keep up wind of spill. Avoid breathing vapors. Use NIOSH approved respirator that will provide protection from ammonia gas. If ammonia vapors are 300 ppm, use self contained breathing apparatus with full face shield.

**WASTE DISPOSAL:** Dilute with water and flush to sewer in accordance with federal, state and local environmental regulations:

**PRECAUTIONS TO BE TAKEN IN HANDLING & STORING:** Do not mix with other household chemicals like bleach, toilet bowl cleaners, wall & tile cleaners. Store in a cool vented area. Keep out of direct sun light. Avoid over heating, plastic bottle will bulge from ammonia vapor pressure.

**OTHER PRECAUTIONS:** None

SECTION # 8 CONTROL MEASURES

**RESPIRATORY PRECAUTION:** NIOSH approved respirator or breathing apparatus with face shield.

**VENTILATION:** - LOCAL EXHAUST: Yes      SPECIAL: N/A

**MECHANICAL:** N/A      OTHER: N/A

**PROTECTIVE GLOVES:** WEAR protective gloves.

**EYE PROTECTION:** WEAR safety glasses.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Uniforms, coveralls, labcoats.

**WORK/HYGIENIC/MAINTENANCE PRACTICE:** Provide eye bath and emergency shower. Launder work clothing when soiled.

The information contained herein is provided in good faith, and is believed to be correct as of the date hereof, however, we make no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining the appropriateness for a particular purpose. Accordingly, we will not be responsible for damages of any kind resulting from the use of, or reliance upon such information. No representations, or warranties, wither express or implied of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information set forth herein or to the product to which the information refers.