

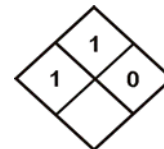
# MATERIAL SAFETY DATA SHEET

PRODUCT BPR - Blood & Protein Remover



## NFPA HAZARD RATINGS\*

Health	1	Slight health hazard
Fire	1	Slightly combustible
Stability	0	Stable



## SECTION 1: PRODUCT INFORMATION

Manufacturer: ADCO Cleaning Products LLC, 900 W. Main, Sedalia, MO 65301 (660) 826-3300  
EMERGENCY TELEPHONE NUMBERS: CHEMTREC (800) 424-9300 24 HRS 7 DAYS A WEEK; ADCO (800) 821-7556 (8-5 M-F)  
Intended Product Use: Stain removal agent for drycleaning and laundry  
Synonyms: Blood and protein remover

## SECTION 2: HAZARDOUS INGREDIENTS

Chemical Name	%	CAS #	OSHA PEL	LD 50
Ammonium hydroxide (aqua ammonia)	<1	1336-21-6	50 ppm TWA	oral: 350 mg/kg (rat)
Potassium hydroxide (dilute solution)	<2	1310-58-3	2 mg/m <sup>3</sup> Ceiling	oral: 273 mg/kg (rat) dermal: 4200 mg/kg (rabbit)

## SECTION 3: PHYSICAL DATA

Appearance: Light yellow liquid  
Odor: Bland, trace of ammonia  
Specific Gravity (20° C): 1.008  
pH (Straight): 9.5-10.2  
Boiling Point: 212°F  
Solubility in Water: Miscible  
Vapor Pressure (mm Hg): No data  
Vapor Density: Heavier than air

## SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): >200 (COC)  
Upper Flammable Limit: No data  
Lower Flammable Limit: No data  
Extinguishing Media: Dry chemical, carbon dioxide, foam, water fog. Compatible with all types.  
Special Fire Fighting Procedures: Avoid directing strong stream of water into material - may cause foaming. Wear self-contained breathing apparatus when fighting fires in confined areas.  
Unusual Fire and Explosion Hazards: Exposure to fire or high temperatures may produce noxious, irritating or toxic fumes.

## SECTION 5: REACTIVITY DATA

Stability: Stable  
Conditions to Avoid: Storage at temperatures above 120°F (48.8°C)  
Incompatibility (materials to avoid): Strong oxidizers  
Hazardous Decomposition Products: Burning produces toxic, irritating fumes  
Hazardous Polymerization: Will not occur

## SECTION 6: HEALTH HAZARD DATA

Toxicity (Estimated): Low  
Effects of Overexposure: Acute: May cause drying or irritation if splashed into eyes or on prolonged or repeated contact with skin. Inhaling vapors may cause temporary discomfort.  
Chronic: None known  
Carcinogenicity: Trace component (<0.01%) is listed by ACGIH, IARC and OSHA as suspected carcinogen.

\*Hazard ratings and other information are based on latest available information from tests on product or ingredients of mixtures. The data and evaluations are accurate to the best of ADCO's knowledge. No guarantee or liability is expressed or implied.

EXPOSURE LIMITS None	IRRITANCY OF PRODUCT Slight eye and skin	SENSITIZATION TO PRODUCT None reported	BPR - Blood & Protein Remover CARCINOGENICITY Trace component listed by ACGIH, IARC and OSHA
TERATOGENICITY No effects reported	REPRODUCTIVE TOXICITY No effects reported	MUTAGENICITY None reported	SYNERGISTIC PRODUCTS None reported

Based on known toxicity of components. No test data available on mixture.

## SECTION 7: PREVENTATIVE MEASURES

### SPECIAL PROTECTION INFORMATION

Respiratory Protection: None required when used as directed with adequate ventilation.

Ventilation: Normal industrial ventilation is adequate.

Protective Gloves: Ordinarily not needed. Use chemically resistant gloves when contact is prolonged or frequent.

Eye Protection: Use goggles or face mask if splashing is likely.

Other protection equipment ordinarily not needed. Availability of eye washes and adequate ventilation in work areas recommended.

**STORAGE AND HANDLING:** Store in closed containers at temperatures below 120°F. Do not store in aluminum containers.

**SPILL OR LEAK PROCEDURES:** Small spills - flush to sewer with water. Large spills - soak up on absorbent material and transfer to containers for disposal as nonhazardous waste.

**WASTE DISPOSAL METHOD:** Nonhazardous. Flush to sewer or dispose of material and container in municipal landfill in compliance with all local, state and federal regulation.

### RECOMMENDED PRECAUTIONARY LABELING:

**CAUTION:** Splashing into eyes or prolonged or repeated contact with skin may cause irritation.

**FIRST AID:** In case of contact, flush eyes for 15 minutes with water. Wash off of skin with soap and water. If swallowed, do NOT induce vomiting.

**KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.**

This product is intended for professional use only by trained personnel.

## SECTION 8: FIRST AID

Inhalation: Remove person to fresh air.

Eyes: Flush eyes for 15 minutes with water.

Skin: Wash off of skin with soap and water.

Ingestion: If swallowed, do NOT induce vomiting.

IF SYMPTOMS PERSIST, SEEK MEDICAL ASSISTANCE

## SECTION 9: SARA TITLE III

NOTE: This product does contain some components which are under the reporting requirements of SARA Title III, Section 313. If you are required to report discharges using Form R, SARA Title III, Section 313, information is available on amounts of reportable components.

## SECTION 10: PREPARATION DATE

This information is provided for guidance only based on information we have compiled. No guarantee of accuracy or completeness is expressed or implied.

ADCO RESEARCH DEPARTMENT

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