

# MATERIAL SAFETY DATA SHEET

A Product Of: Arrow Paper Corporation  
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## SECTION I - PRODUCT IDENTIFICATION

Trade Name: PATRIOT ULTRA PRE-SPOT  
Chemical name / synonyms: Detergent solution.  
Formula: Mixture  
D.O.T.: None regulated, Class 55, Cleaning Compound Liquid  
HMIS CODE: Health 2, Fire 0, Reactivity 0  
HMIS KEY: 4=Extreme, 3=High, 2=Moderate, 1=Slight, 0=insignificant

## SECTION II - HAZARDOUS INGREDIENTS

Substance	% Composition	TLV
2-Butoxyethanol	< 20	25 ppm (skin)

## SECTION III - PHYSICAL DATA

Boiling Pt (°F): 212  
Vapor Pressure (mm Hg): NA  
Vapor Density (air=1): NA  
Solubility in water: complete  
Appearance and Odor: Clear liquid, faint odor.

Specific Gravity: 0.99  
V.O.C. (% by weight): 16  
Evaporation Rate (water=1): 1  
pH: 7

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Pt (°F): None  
test method: TOC

Flammable limits in air (vol. %)  
Upper: NA Lower: NA

Extinguishing Media: As necessary for surrounding fire.  
Special fire fighting procedures: Wear MSHA/NIOSH approved self-breathing apparatus. Cool fire exposed containers with cool water.  
Unusual fire and explosion hazard: none

## SECTION V - HEALTH HAZARD DATA - ROUTES OF ENTRY

Threshold Limit Value: See Section II  
Routes of Entry: skin, inhalation, eye contact, ingestion.  
Effects of Acute Overexposure: EYES-Severe irritation, pain, redness and swelling of the conjunctiva. SKIN-brief contact may cause slight irritation with itching and local redness. Prolonged contact may cause more severe irritation, with discomfort or pain, local redness and swelling, and possible tissue destruction. INHALATION-High concentrations of vapor cause irritation of the respiratory tract, experienced as nasal discomfort and discharge, with chest pains and coughing. Headache, nausea, vomiting, dizziness, and drowsiness may occur. SWALLOWING - Moderately toxic. May cause headache, dizziness, incoordination, nausea, vomiting, diarrhea, and general weakness. Ingestion of significant quantities may result in red blood cell hemolysis. Effects of Repeated Overexposure: None currently known.

Medical Conditions Aggravated by Overexposure: Persons with pre-existing skin disorders may be more susceptible to irritating effects.  
Chronic Effects of Exposure are unknown.  
Emergency and first aid procedures: EYES - flush with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention. SKIN - remove contaminated clothing and laundry before reuse. Wash skin with soap and water under safety shower. Destroy contaminated shoes. INHALATION - remove person to fresh air. Administer artificial respiration if indicated. Obtain immediate medical assistance. INGESTION - give large quantities of milk, gelatin solution or water. If vomiting occurs, give fluids again. Do not give anything by mouth to a convulsing or unconscious person. Call physician or poison center immediately.

## SECTION VI - REACTIVITY DATA

Stability: stable  
Hazardous decomposition products: Carbon dioxide, carbon monoxide, ammonia, nitrous oxides, and hydrogen chloride.  
Hazardous polymerization products: Will not occur.  
Conditions to avoid: Strong oxidizing such as chlorine or strong reducing agents. Admixtures can be explosive.

## SECTION VII - SPILL OR LEAK PROCEDURE

Steps to be taken if material is released or spilled:  
Dike and contain. Place in non-leaking containers for disposal agency. Keep spills out of sewers or open bodies of water.  
Waste disposal method: Open dumping is prohibited. Dispose of in accordance with all federal, state or local regulations.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: NA  
Ventilation -local exhaust: recommended  
-Mechanical exhaust: NA  
Protective gloves: rubber  
Eye protection: chemical goggles if contact is likely.  
Other protective equipment: As necessary to prevent staining of body tissue.

## SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Store above 35°F. Keep container tightly closed when not in use and under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. Do not store near heat or open flames.

NA means NOT APPLICABLE on this form.  
NE means NOT ESTABLISHED on this form.

The information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under the recommended conditions of use. Any use of this product or method

of application that is not described on the label or in the Product Data Sheet is the responsibility of the user.

This Material Safety Data Sheet was prepared to comply with the OSHA Hazard Communications Regulation and Massachusetts Right to Know Law.