



MATERIAL SAFETY DATA SHEET

NFPA Designation 704
 DEGREE OF HAZARD
 4 = EXTREME
 3 = HIGH
 2 = MODERATE
 1 = SLIGHT
 0 = INSIGNIFICANT



May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910, 1200. Standard must be consulted for specific requirements.

U.S. DEPARTMENT OF LABOR Occupational Safety and Health Administration (Non-Mandatory Form) Form-Approved OMB No. 1218.0072

CHEMICAL NAME UPHOLSTERY PRESPRAY	PRODUCT USAGE Alkaline Preconditioning Agent for Upholstery
--	---

SECTION I

Manufactured For: Steam Way® International	Emergency Telephone Number: (303) 355-3566
Address: 4550 Jackson Street	Telephone Number For Information: (303) 355-3566
City, State, Zip: Denver, Colorado 80216	Date Prepared: February 1, 1998 Updated: July 1, 1999

SECTION II - Hazardous Ingredient Information

Hazardous Components (If component is non-hazardous, specify by * designation) (Specific Chemical Identity: CAS#)	% optional
Diethylene glycol Ethyl Ether (CAS 111-90-1)	<8
Ammonium Hydroxide (C.A.S. 7664-41-7) 50 ppm (OSHA PEL) 25 ppm (ACGIH TLV)	<1
Do not mix Upholstery Prespray with caustic soda or acids as it will release ammonia gas and/or toxic fumes.	

SECTION III - Physical/Chemical Characteristics

Boiling Point Approximately	195°F	Specific Gravity (H ₂ O = 1)	1.000
Vapor Pressure (mm Hg.)	N.A.	Melting Point	N.A.
Vapor Density (Air=1)	N.A.	Evaporation Rate (Butyl Acetate=1)	Slower than ether
Solubility Rate	Complete	Percent, Volatile by Volume (%)	
Appearance and Odor	Clear liquid with ammonical odor.		

SECTION IV - Fire and Explosion

Flash Point (Method Used) N/A (liquid not flammable)	Flammable Limits	LEL	N.I.	UEL	N.I.
Extinguishing Media Carbon dioxide, dry chemical, foam or water. Class A, BC, or ABC fire extinguishers.					
Special Fire Fighting Procedures Wear self-contained breathing apparatus and protective clothing. Water can be used to cool containers.					

Unusual Explosion Hazard
 Pressure may develop in closed containers if temperatures over 195°F are achieved.

SECTION V - Reactivity Data

<u>Stability</u>	<u>Unstable</u>		<u>Conditions to Avoid</u>
			None
	<u>Stable</u>	X	

Incompatibility (Materials to Avoid)

Oxidizing agents, alkalis and acids.

Hazardous Decomposition or by-ProductsUpon burning ammonia, CO₂, CO and smoke may be formed.

<u>Hazardous Polymerization</u>	<u>May Occur</u>		<u>Conditions to Avoid</u>
			N/A
	<u>Will Not Occur</u>	X	

SECTION VI - Health Hazard Data

Health Hazards (Acute and Chronic): Route(s) of Entry/Signs and Symptoms of Exposure

Routes of entry are inhalation, skin and ingestion. Contact with eyes will be painful and irritating. Prolonged contact with skin will cause irritation. Toxic by oral and inhalation routes.

Emergency and First Aid Procedures

EYE CONTACT: Flush eyes thoroughly with large amounts of water. If any symptoms persist, call a physician. If overcome by fumes, remove to fresh air and call a physician. If ingested, get medical attention immediately. DO NOT INDUCE VOMITING. Give conscious patient large quantities of water.

Carcinogenicity: NIP? IARC Monographs? OSHA Regulated?Medical Conditions Generally Aggravated by Exposure

See health hazards listed above.

SECTION VII - Precautions For Safe Handling And Use

Steps to be taken in Case Material is Released or Spilled

Flush away with water or soak up with sand or sweeping compound and shovel into waste containers.

Waste Disposal Method

Bury or flush to sewage disposal system in accordance to all federal, state and local regulations.

Precautions To Be Taken In Handling And Storing

Storage in a cool dry place between 40°F and 100°F is recommended.

Other Precautions

Do not take internally or inhale vapors. Avoid eye contact.

SECTION VIII - Control Measures

Respiratory Protection (Specific Type)

Not normally needed. If needed use mask with ammonia cannister.

<u>Ventilation</u>	<u>Local Exhaust</u>		<u>Special</u>
		N/A	N/A
	<u>Mechanical (General)</u>	Preferable	<u>Other</u>
			N/A

Protection Gloves

Plastic or Rubber glove for sensitive skin

Eye Protection

Chemical Safety Goggles

Other Protective Clothing or Equipment

Usually not needed unless splashing is excessive.

Work/Hygienic Practices

To the best of our knowledge, the information contained herein is accurate. However, neither Steam Way® International, Inc. its suppliers, nor its distributors assumes any liability whatsoever for the accuracy or completeness of the information. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards may be described herein, we cannot guarantee that these are the only hazards which exist. Information herein is given in good faith, but no warranty, expressed or implied, is made.