



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 Fiber Refresh	PRODUCT USAGE Carpet Cleaning Acid RinseDetergent
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SECTION I

Manufactured For: Steam Way® International, Inc.	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: March 1, 1999 Updated: July 22, 2004

SECTION II - Hazardous Ingredient Information

Hazardous Components (If component is non-hazardous, specify by * designation) (Specific Chemical Identity: CAS#)	% optional
Sulfamic Acid (C.A.S. # 5329-14-6)	<15%
Dipropylene Glycol Methyl Ether (C.A.S. # 34590-94-8)	<15%

SECTION III - Physical/Chemical Characteristics

Boiling Point	Over 212°F	Specific Gravity (H ₂ O = 1)	1.030
Vapor Pressure (mm Hg.)	N.A.	Melting Point	N.A.
Vapor Density (Air=1)	N.A.	Evaporation Rate (Butyl Acetate=1)	About same as water
Solubility Rate	100%	Percent, Volatile by Volume (%)	N.A.
Appearance and Odor	Clear, colorless liquid, green apple fragrance		

SECTION IV - Fire and Explosion

Flash Point (Method Used)	>200°F	Flammable Limits	N.A.	LEL	N.A.	UEL	N.A.
Extinguishing Media	Dry chemical, CO2 (Carbon Dioxide), foam, or water fog						
Special Fire Fighting Procedures	None						
Unusual Explosion Hazard	None						

SECTION V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid)

None

Hazardous Decomposition or by-Products

Under fire conditions - oxide of carbon, nitrogen, sulfur

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

SECTION VI - Health Hazard Data

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

Eyes, skin, and ingestion are the routes of entry. May cause burns to eyes. In concentrated form - may cause severe irritation to the skin with possible harmful absorption. Ingestion may cause burns along the digestive system plus nausea. Inhalation of mists or vapors may be irritating to the respiratory system

Emergency and First Aid Procedures

In case of eye contact, flush with water for 10-15 minutes. If irritation persists, consult a physician. In case of skin contact with concentrate, flush with water for 10 minutes. If irritation persists, consult a physician. Remove any contaminated clothing. In case of ingestion, give large quantities of water to dilute. Do not induce vomiting. Immediately get medical attention. If overcome by fumes, remove patient to fresh air. If qualified, give oxygen or artificial respiration as necessary.

Carcinogenicity: NIP? IARC Monographs? OSHA Regulated?

Unknown

Medical Conditions Generally Aggravated by Exposure

Unknown

SECTION VII - Precautions For Safe Handling And Use

Steps to be taken in Case Material is Released or Spilled

Contain spill. Neutralize with weak alkaline solution. Flush with large quantity of water.

Waste Disposal Method

Small neutralized, diluted solutions may flush to sanitary sewer. Check all local, state, provincial, and federal regulations.

Precautions To Be Taken In Handling And Storing

Keep out of reach of children. Wash thoroughly after handling.

Other Precautions

Keep out of reach of children.

SECTION VIII - Control Measures

Respiratory Protection (Specific Type)

None

Ventilation	Local Exhaust	X	Special	N.A.
	Mechanical (General)	X	Other	N.A.

Protection Gloves

Recommended

Eye Protection

Splash goggles

Other Protective Clothing or Equipment

Chemical apron and/or rubber boots, depending on usage, to prevent skin contact.

Work/Hygienic Practices

Keep tightly sealed.