



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 Magna-Bright Activator Solution	PRODUCT USAGE Ceiling and Wall Cleaning Activator
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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: November 1, 1990 Updated: July 1, 1999

SECTION II - Hazardous Ingredient Information

Hazardous Components (If component is non-hazardous, specify by * designation) (Specific Chemical Identity: CAS#)			% optional
Hydrogen Peroxide	C.A.S. # 7722-84-1	1ppm (ACGIH TLV)	<30%

SECTION III - Physical/Chemical Characteristics

Boiling Point	approximately	223°F	Specific Gravity (H ₂ O = 1)	1.1-1.2
Vapor Pressure (mm Hg.)	@ 25°C	13 - 18	Melting Point	N.A.
Vapor Density (Air=1)	@ 100%	1.17	Evaporation Rate (Butyl Acetate=1)	1
Solubility Rate		100%	Percent. Volatile by Volume (%)	
Appearance and Odor	Clear liquid, slightly pungent			

SECTION IV - Fire and Explosion

Flash Point (Method Used)	none	Flammable Limits	N.A.	UEL	N.A.	LEL	N.A.
Extinguishing Media	N.A.						
Special Fire Fighting Procedures	N.A.						
Unusual Explosion Hazard	N.A.						

SECTION V - Reactivity Data

<u>Stability</u>	<u>Unstable</u>		<u>Conditions to Avoid</u> Heat may result in dangerous pressures.
	<u>Stable</u>	X	

Incompatibility (Materials to Avoid) Heat, cyanides, hexavalent chromium compounds, nitric acid, potassium permanganate.

Hazardous Decomposition or by-Products May react dangerously with heavy metal, organic materials and dust.

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

SECTION VI - Health Hazard Data

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

Routes of entry are eyes, skin, ingestion and inhalation

May cause burns to eyes and skin. May be harmful if swallowed. Fumes may be harmful.

Emergency and First Aid Procedures

In case of contact, flush eyes and skin with water for 15 minutes. Call physician. Remove and wash contaminated clothing and shoes promptly and thoroughly. Ingestion, give water freely to dilute the stomach contents. Call physician. (Note to physician: insert a gastric tube to prevent increased pressure that may result from rapid evolution of oxygen.) Inhalation, remove patient to fresh air. If irritation of throat or nose is apparent, refer patient to physician.

Carcinogenicity: NIP? IARC Monographs? OSHA Regulated?

None

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

Flood area with water and drain to approved chemical sewer to wastewater treatment system. May be neutralized with sodium metabisulfite or sodium sulfite (1.9 lbs. SO₂ equivalent per lb. of peroxide) after diluting to 5 - 10% peroxide.

Waste Disposal Method

AQUATIC TOXICITY: 40 ppm toxic to fingerling trout.

Dispose of in accordance with federal, state, and local regulations.

Precautions To Be Taken In Handling And Storing

Avoid any contamination of concentrate. Keep out of sun. Keep away from heat, sparks, and flame. Do not tighten vented cap all the way down on container. Store in original vented container. Keep in well ventilated room.

Other Precautions

None

SECTION VIII - Control Measures

Respiratory Protection (Specific Type) ADVISABLE. Store in original vented container. Keep in well ventilated room.

<u>Ventilation Required</u>	<u>Local Exhaust</u> Use in adequate ventilation	<u>Special</u>	None
	<u>Mechanical (General)</u> recommend	<u>Other</u>	None

<u>Protection Gloves</u> Neoprene, butyl or vinyl	<u>Eye Protection</u> chemical splash goggles
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Other Protective Clothing or Equipment NEOPRENE, BUTYL OR VINYL RUBBER BOOTS. Clean DACRON outer clothing, chemical suit, face shield.

Work/Hygienic Practices Observe personal hygiene