

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND DISTRIBUTOR'S INFORMATION						
NFPA Rating: Health-1; Flammability-1; Reactivity-0; Special-- Distributed by: HILLYARD INDUSTRIES, INC. Address: 302 N. 4 th Street Address: St. Joseph, MO 64501			HMIS Rating: Health-1; Flammability-1; Reactivity-0; Personal Protection-B DOT Hazard Classification (post transition): LIMITED QUANTITY DOT Haz Classification (pretransition): Consumer Commodity ORM-D Identity (trade name as used on label): Quick & Clean Carpet Refresher / Part #HIL0102454			
Phone: (816)-233-1321 ext. 8285 or http://www.hillyard.com Emergency Response Number: Chemtrec 1-800-424-9300			MSDS Number: A00261 Revision: first issue-a Date Prepared: 11/01/04 Prepared By: IB Information Calls: (770)422-2071			
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
ETHANOL		64-17-5	No	1000	1000	d
ISOBUTANE / PROPANE BLEND		75-28-5	No	800	800	d
		74-98-6	No	1000	1000	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: liquid concentrate only : approximately 212°F			Specific Gravity (H2O=1): liquid concentrate only =0.99			
Vapor Pressure: PSIG @ 70°F (Aerosols): 70-90			Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A			
Vapor Density (Air = 1): N/E			Evaporation Rate (water = 1): liquid concentrate only: approximately 1			
Solubility in Water: Soluble			Water Reactive: No			
Appearance and Odor: Light, white foam with floral fragrance.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols): extinguishes flame: Not categorized as flammable.		Auto Ignition Temperature N/E		Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E		
FLASH POINT AND METHOD USED (non-aerosols): N/A		EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide.				
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.						
Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130°F or the container may rupture.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY [X] STABLE [] UNSTABLE		HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR				
Incompatibility (Mat. to avoid): Strong oxidizers.		Conditions to Avoid: Open flame, welding arcs, heat, sparks.				
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, trace oxides of boron, nitrogen and zinc.						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: [X] INHALATION [] INGESTION [] SKIN ABSORPTION [] EYE [] NOT HAZARDOUS						
ACUTE EFFECTS:						
Inhalation: Excessive inhalation of vapors can be harmful & may cause headache, dizziness, asphyxia, anesthetic effects & possible unconsciousness.						
Eye Contact: May cause slight irritation.			Skin Contact: May cause slight irritation with repeated and prolonged contact.			
Ingestion: Possible chemical pneumonitis if aspirated into lungs.						
CHRONIC EFFECTS: None known.						
Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Flush with water for 15 minutes. If irritated, seek medical attention.						
Skin Contact: Flush thoroughly with water. If irritation develops, seek medical attention.						
Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention.						
Ingestion: DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by NIOSH / MSHA for organic vapors.						
Protective Gloves: Latex, PVC or nitrile gloves suggested.			Eye Protection: Safety glasses recommended.			
Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.						
Other Protective Clothing & Equipment: Eyewash station suggested.						
Hygienic Work Practices: Wash with soap and water before handling food.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
Steps To Be Taken If Material Is Spilled Or Released: Flush to sewer with water.						
Waste Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.						
Precautions To Be Taken In Handling & Storage: Do not puncture or incinerate containers. Do not store at temperatures above 130°F.						
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Avoid breathing vapors.						

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only