

MATERIAL SAFETY DATA SHEET

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

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB N. 1218-0072

IDENTITY: K-O BED BUG, LICE AND DUST MITE KILLER A452		NOTE: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.	
HMIS RATING:	HEALTH: 1	FLAMMABILITY: 2	REACTIVITY: --
RATING LEGEND:	4 = extreme, 3 = serious, 2 = moderate, 1 = slight, 0 = minimal, * = chronic hazard		

Section I

Distributed By:	Handi-Clean Products, Inc. 301 S. Swing Rd. Greensboro, NC 27409	Emergency Telephone Number (336) 292-3083 After 5:00 p.m. (336) 996-5353	
		Telephone Number for Information (336) 292-3083	Date Prepared 11/29/2010

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS NO.	OSHA PEL	ACGIH TLV	Other Limits Recommended % (optional)	
Synthetic Isoparaffinic Hydrocarbon	64742-47-8	--	--	--	15-20
Propane	74-98-6	1000 ppm	1000 ppm	--	5-8
n-Butane	106-97-8	--	1000 ppm	--	5-8
Non-hazardous and other components below reportable levels					60-80

Section III - Physical/Chemical Characteristics

Boiling Point: 206.6°F (97.2°C) estimated	Specific Gravity: 0.8575 estimated	Appearance: Compressed liquefied gas, white.
Vapor Pressure: 75 - 85 psig @ 70°F	Evaporation Rate: --	Odor: None known.
Vapor Density (AIR = 1): --		Solubility in Water: Partially.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): -156°F (-104.4°C) Propellant	Flammable Limits	LEL: --	UEL: --
Extinguishing Media: Large Fires: Water spray, fog or regular foam. Small Fires: Dry chemical, CO ₂ , water spray or regular foam.			
Special Fire Fighting Procedures: In the event of fire and/or explosion DO NOT breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand beathing apparatus, protective clothing and face mask. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Containers should be cooled with water to prevent vapor pressure build up. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.			
Unusual Fire and Explosion Hazards: Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.			

Section V - Reactivity Data

Stability:	Stable	X	Unstable
Hazardous Polymerization: --			
Incompatibility (Materials to Avoid): Strong oxidizing agents.			
Hazardous Decomposition or Byproducts: May include oxides of nitrogen.			
Conditions to Avoid: Heat, flames and sparks.			

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	X	Skin?	X	Eyes?	X	Ingestion?	--
Health Hazards (Acute/Potential): EYES: Health injuries are not known or expected under normal use. SKIN: Harmful if absorbed through the skin. Health injuries are not known or expected under normal use. INHALATION: Intentional misuse by concentrating and inhaling the product can be harmful or fatal. INGESTION: Exposure by ingestion of an aerosol is unlikely. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.								
Health Hazards (Chronic/Long Term): May cause central nervous system disorder (e.g. narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage.								
Medical Conditions Generally Aggravated by Exposure: Central Nervous System.								
Emergency and First Aid Procedures: EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Call a physician or Poison Control Center immediately. SKIN: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician or Poison Control Center immediately. INHALATION: Call a physician or Poison Control Center immediately. INGESTION: Call a physician or Poison Control Center immediately. DO NOT induce vomiting without medical advice. Never give anything by mouth to a victim who is unconscious or is having convulsions.								

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Methods for containment: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Prevent entry into waterways, sewers, basements or confined areas. Methods for cleaning up: Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.
Waste Disposal Method: Dispose in accordance with local, state and federal regulations. Consult authorities before disposal. Contents under pressure. DO NOT allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001.
Precautions to Be Taken in Handling and Storing: Handling: Pressurized container: DO NOT pierce or burn, even after use. DO NOT handle or store near an open flame, heat or other sources of ignition. DO NOT smoke while using or until sprayed surface is thoroughly dry. DO NOT use if spray button is missing or defective. Use only with adequate ventilation. Avoid prolonged exposure. Storage: Level I Aerosol. Contents under pressure. DO NOT puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Keep away from heat, sparks, and flame. Avoid exposure to long periods of sunlight. Store in cool place. Keep container tightly closed. Keep the container
Other Precautions: KEEP OUT OF REACH OF CHILDREN.

Section VIII - Control Measures

Respiratory Protection (Specify Type): When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.	Ventilation: Normal.
Protective Gloves: Not normally needed.	Eye Protection: Not normally needed.
Other Protective Clothing or Equipment: --	
Work/Hygienic Practices: Wash hands with soap and water after using product.	