



MATERIAL SAFETY DATA SHEET

GARNA-WHITE

Section I-Contact Information

Manufacturer:

RoofMart International, Inc.
2735 Rain Road, P.O. Box 502
Chapman, KS 67431

Emergency Telephone: 800-451-8346 (3E Company)
Information Telephone: 800-345-1439
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Section II-Hazardous Ingredients / Identity Information

Hazardous Components (Specific Chemical Identity, Common Name (s))	OSHA PEL	ACGIH TLV	STEL	%
Petroleum Hydrocarbons CAS #64742-95-6	n/a	100ppm	n/a	9.42
Proprietary Ingredients	n/a	n/a	n/a	balance

Section 313 Supplier Notification-This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 (40CFR372)

Isophorone Diisocyanate CAS #4098-71-9	0.005ppm	0.005ppm	0.02mg/m3	<1.0
1,2,4-trimethylbenzene CAS #95-63-6	25ppm	25ppm	n/a	4.8
Xylene CAS #1330-20-7	100ppm	100ppm	150ppm	0.45
Cumene CAS #98-82-8	50ppm	50ppm	n/a	0.225
Ethyl Benzene CAS #100-41-4	100ppm	100ppm	125ppm	0.075

Section III-Physical / Chemical Characteristics

Boiling Point	n/d	Specific Gravity (20°C)	1.32
Vapor Pressure (20°C)	n/a	Percent Volatile	apx. 15%
Vapor Density (AIR=1)	>air	Evaporation Rate (Butyl Acetate=1)	n/a
Solubility	Negligible		
Appearance and Odor	Pigmented liquid / Slight		

Section IV-Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
43°C (110°F) / Tag C.C.		n/a	n/a
Extinguishing Media	Carbon dioxide, foam, dry chemical and water fog		
Unusual Fire and Explosion Hazards	Move containers from area if it can be done without risk. Cool fire-exposed containers with water from the side. As in any fire, wear NIOSH/MSHA approved, pressure demand self contained breathing apparatus and full protective gear		

Section V-Reactivity Data

Stability	Stable	X	Conditions to Avoid: avoid contact with moisture, strong acids, bases, amines and peroxides in bulk
	Unstable		
Incompatibility (Materials to Avoid)	Strong oxidizing agents and reducing agents, strong acids, bases, amines and peroxides		
Hazardous Decomposition of Byproducts	Oxides of carbon; and nitrogen; decomposition and combustion products may be toxic		

Section VI-Health Hazard Data

Route(s) of Entry	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards (acute & chronic)	Vapors can be irritating to nose and mucous membranes	May cause sensitization	May cause permanent damage to the mouth, throat and stomach
Carcinogenicity	NTP? No	IARC Monographs? No	OSHA Regulated? No
Signs & Symptoms of Exposure	Skin: contact may cause moderate skin irritation. In some individuals exposure may result in allergic type symptoms causing rash, itching and hives. Eyes: contact can cause severe irritation, redness, tearing and blurred vision. Inhalation: exposure may result in tightness or burning in chest, coughing, headache and fatigue.		



	<p>Respiratory sensitivity may result in asthma like symptoms and on subsequent exposure even below the TLV.</p> <p>Ingestion: not expected to be a relevant route of exposure although it can cause gastrointestinal irritation, nausea, vomiting, diarrhea and headache.</p> <p>Chronic: one scientific study of workers reported that exposure to isocyanate type chemicals resulted in larger declines in lung function compared to other workers. Materials are not known mutagenic, teratogenic or reproductive health hazards.</p>
Emergency & First Aid Procedures	<p>Inhalation: remove victim from exposure. If difficulty with breathing, administer oxygen and seek medical assistance.</p> <p>Eyes: flush eyes with cold water for a minimum of 15 minutes, lifting lower and upper eye lids throughout. Seek immediate medical attention.</p> <p>Skin: Immediately remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.</p> <p>Ingestion: do not induce vomiting, get immediate medical attention, if vomiting occurs spontaneously keep head below hips to prevent aspiration of liquids into lungs. Do not give anything by mouth to an unconscious person.</p>

Section VII-Transportation Information

DOT Proper Shipping Name	This product is not regulated by DOT in containers of 119 gallon capacity or less. Exemption 173.150F per CFR149
International	<p>DOT Proper Shipping Name: Flammable liquid, n.o.s. (petroleum distillate)</p> <p>DOT Hazard Class: 3, PG III</p> <p>DOT ID Number: UN 1993</p> <p>Label(s): Flammable</p>
Regulatory Information	<p>SARA Hazard Categories (40 CFR 370): Health-Immediate, Physical-Delayed</p> <p>SARA Toxic Chemicals (40 CFR 372): The chemicals in this product are listed on the US TSCA Chemical Substance Inventory and the Canadian Domestic Substances List. See section 313 advisory in section II.</p>

Section VIII-Precautions for Safe Handling and Use

Steps to be Taken in case of Release or Spill	Avoid contact with skin or eyes. Ventilate area, eliminate all sources of ignition. Wear appropriate protective gear. Contain leak or spill, salvage, clean-up residue with absorbent material. This product is heavier than and insoluble in water. Wash down area using a soap solution and allow 10 minutes to react.
Waste Disposal Method	Handle disposal of waste material in manner which complies with local, state, provincial and federal regulation. Landfill if solidified, or incineration at agency approved waste-disposal facilities.
Precautions for Handling & Storage	Store in a cool dry place.

Section IX-Control Measures

Respiratory Protection (specify type)	
Ventilation	Ventilation is recommended. Air movement must be designed to insure turnover at all locations in work area to avoid build up of heavy vapors.
Personal Protective Clothing or Equipment	Do NOT wear contact lenses when working with this material. Use chemical goggles/safety glasses with side shields and impervious gloves. Wear clothing with long sleeves and pants. In operations where mists can be generated or the exposure limits for crystalline silica exceeded, wear a NIOSH/MSHA approved dust/fume respirator selected by a technically qualified person for the specific work conditions. Wear respirator protection whenever airborne concentrations exceed TLV ceilings or TWA, use NIOSHA approved respirators for listed hazard. Confined spaces, room or tanks are areas where concern for TLV's is especially important.

Section X-Ecological Information

Marine Pollutant: not listed

Section XI-Disposal Considerations

The generation of waste should be avoided or minimized wherever possible. Disposal should be in accordance with local, state, provincial or national regulations. This material is not a hazardous waste under RCRA 40 CFR 261. Small quantities should be treated with a decontaminant solution. The treated waste is not a hazardous material under RCRA 40 CFR 261. Chemical waste in even small quantities should never be poured down drains, sewers or waterways. Empty containers should be decontaminated and either passed to an approved drum recycler or destroyed.