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# Material Safety Data Sheet

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**PRODUCT NAME: THROUGH THE ROOF CARTRIDGE GRADE**

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: Sashco, Inc.  
ADDRESS: 10300 E. 107th Place, Brighton, Colorado 80601  
EMERGENCY PHONE: 1-800-535-5053  
INFORMATION PHONE: 1-800-289-7290  
DATE REVISED: 7-20-07  
NAME OF PREPARER: Andy Spoelstra  
REASON REVISED: Changes to Section I  
CODE IDENTIFICATION: TRFC  
PRODUCT IDENTIFICATION: THROUGH THE ROOF CARTRIDGE

				HMIS Rating			
	Health	Flamm	React	Personal			
	2	3	0	B			

===== SECTION II - HAZARDOUS INGREDIENTS =====

In accordance with Proposition 65: This product contains a chemical which is reported by the State of California to cause birth or reproductive harm.

INGREDIENT	CAS#	WT.%	TLV*	LEL	VAPOR PRESSURE	NFPA Fire Code
VM&P Naphtha	64742-89-8	30-34	300 PPM	1.0%	10mm Hg at 68F	1-B
Toluene	108-88-3	9-13	50 PPM	1.0%	24mm Hg at 68F	1-B

\* The Threshold Limit Value (TLV) is the time weighted average (TWA) to which it is believed that most workers may be exposed 8-10 hours per day, 40 hours per week, without adverse health effects. LEL, the Lower Exposure Limit, is the lowest concentration (% of volatiles in air) that will produce a flash of fire when ignition source is present.

===== SECTION III - PHYSICAL DATA =====

BOILING RANGE: 231° – 250°F  
WEIGHT PER GALLON: 7.3 #  
% VOLATILE BY WEIGHT: 44.3 %

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT (°F): 52°F  
LOWER EXPLOSIVE LIMIT: 1.0%  
DOT (PSN): Consumer Commodity (ORM-D) (see section IX)  
HAZARD CLASS: Flammable Liquid  
EXTINGUISHING MEDIA: Dry Chemical or Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS:

- \* Closed containers may explode when exposed to extreme heat or fire.
- \* Vapors may ignite explosively at ambient temperatures.
- \* Vapors are heavier than air and may travel long distances to a source of ignition and flashback.
- \* May decompose under fire conditions, emitting irritant and/or toxic gases.

SPECIAL FIRE FIGHTING PROCEDURES:

- \* Water may be used to cool and protect exposed containers.

===== SECTION V - HEALTH HAZARD DATA =====

ROUTE OF ENTRY: Inhalation, Skin, Eyes, Ingestion  
EFFECTS OF OVEREXPOSURE: Irritation of eyes, skin, respiratory tract. Prolonged inhalation may lead to mucous membrane irritation, fatigue, drowsiness, dizziness and/or lightheadedness, headache, uncoordination, nausea. Prolonged or repeated contact can cause dermatitis, defatting, blurred vision, tearing of eyes, possible vomiting, diarrhea, central nervous system depression, anesthetic effect or narcosis, difficulty of breathing, blood abnormalities, corneal injury, liver damage, kidney damage.

Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. A recent report (1991) states: "Sniffing of toluene by pregnant women has also resulted in prenatal toluene exposure in infants, and there are a number of case reports of effects such as intrauterine growth retardation among infants of mothers with such exposures."

**EMERGENCY AND FIRST AID PROCEDURES:**

INHALATION: Move person to well ventilated area.  
Get emergency medical attention.  
Administer oxygen or artificial respiration if necessary.

SKIN CONTACT: Flush from skin with water, then wash thoroughly with soap and water.  
Remove contaminated clothing.  
Wash contaminated clothing before re-use.

EYE CONTACT: Flush immediately with large amounts of water for at least 15 minutes.  
Get emergency medical attention.

INGESTION: Get emergency medical attention.

===== SECTION VI - REACTIVITY DATA =====

STABILITY: Stable  
INCOMPATIBILITY: Oxidizers, Acids, Bases, Amines  
CONDITIONS TO AVOID: Elevated temperatures, Contact with Oxidizing Agent  
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide.  
HAZARDOUS POLYMERIZATION: Will not occur

===== SECTION VII - SPILL OR LEAK PROCEDURES =====

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

- \* Eliminate all sources of ignition.
- \* Ventilate area with explosion-proof equipment.
- \* Small spills may be collected with absorbent materials.
- \* Use non-sparking tools.
- \* Evacuate all unnecessary personnel.
- \* Large spills – observe steps for small spills. Shut off leak if safe to do so. Dike and contain spill.  
Pump to storage or salvage vessels. Use absorbent material to pick up excess residue.  
Keep salvage material and rinse water, cut off sewers or water courses. Comply with all applicable regulations for health and pollution control.

**WASTE DISPOSAL METHOD:**

- \* Disposal in accordance with all applicable regulations.
- \* Avoid discharge to natural waters.

===== SECTION VIII - SPECIAL PROTECTION INFORMATION =====

Control environmental concentrations below applicable standards. Where respiratory protection is required, use only NIOSH/MSHA approved respirators in accordance with OSHA Standard 29 CFR 1510.134.

VENTILATION: Provide dilution ventilation or local exhaust to prevent build-up of vapors.  
Use explosion-proof equipment.

Use non-sparking equipment.

PERSONAL PROTECTIVE EQUIPMENT:

- Eye Wash
- Safety Shower
- Safety Glasses or Goggles
- Impervious Gloves

===== SECTION IX - SPECIAL PRECAUTIONS =====

HANDLING AND STORAGE:

- Store below 110°F
- Keep away from heat, sparks, and open flame.

OTHER PRECAUTIONS:

- Use only with adequate ventilation.
- Do not take internally.
- Keep out of reach of children.
- Avoid contact with skin and eyes and breathing of vapors.
- Wash hands thoroughly after handling, especially before eating or smoking.
- Keep containers tightly closed and upright when not in use.
- Empty containers may contain hazardous residues.

SHIPPING INFORMATION:

- THROUGH THE ROOF packaged in 10.5 oz. And quart containers are DOT classified "Consumer Commodity ORM-D." THROUGH THE ROOF packaged in larger containers are DOT classified "Type/class – 3"
- UN# - 1133
- Proper shipping name – flammable liquid.

===== SECTION X - DISCLAIMER =====

DISCLAIMER:

The information contained herein is based on data available at the time of preparation of this data sheet and which Sashco Inc. believes to be reliable. However, no warranty is expressed or implied regarding the accuracy of this data. Sashco, Inc. shall not be responsible for the use of this information or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment and the health and safety of your employees and users of this material.