

# GenFlex Roofing Systems, LLC

## Material Safety Data Sheet

February 19, 2009

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### SECTION 1: PRODUCT IDENTIFICATION

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Product Name: GenPrime LVOC  
Chemical Name / Synonym: Adhesive  
Chemical Family: Mixture  
24-Hour Emergency Phone: (800) 424-9300 CHEMTREC  
Manufacturer's Name: GenFlex Roofing Systems, LLC  
Manufacturer's Address: 250 West 96<sup>th</sup> Street, Indianapolis, IN 46260  
NFPA Hazard Rating: Health 2, Flammability 3, Reactivity 0  
HMIS Hazard Rating: Health 2, Flammability 3, Reactivity 0

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### SECTION 2: CHEMICAL COMPOSITION

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Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:
1-Chloro-4-(trifluoromethyl) benzene	Oxsol 100	98-56-6	72	None Established
Toluene	Toluol	108-88-3	19	PEL 200 ppm OSHA Ceiling 300 ppm TLV 20 ppm
Nonhazardous as per 29 CFR 1910.1200.	None	EPA TSCA Registered Constituents	9	None Established

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### SECTION 3: HAZARD IDENTIFICATION

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Primary Route of Exposure: Skin Absorption, Inhalation

Signs and Symptoms of Exposure: Eye contact may cause severe eye irritation, redness, tearing and blurred vision. Prolonged or repeated skin contact may cause irritation, dermatitis and drying of the skin. Absorption through intact skin may contribute to an individual's overall exposure. Inhalation may cause respiratory system irritation and central nervous system depression (narcosis) characterized by headache, dizziness, muscular weakness and fatigue. Inhalation of toluene vapors above 200 ppm may result in impairment of coordination, increased reaction time and a bad taste in the mouth. May cause unconsciousness if exposure is excessive. Toluene LC<sub>50</sub>: 8,000 ppm/4hr, rat; Toluene LD<sub>50</sub>: 5 g/kg, rat; Oxol 100 LD<sub>50</sub>: 13,000 mg/kg, rat.

Medical Conditions Aggravated by Exposure: Exposure to this product may aggravate pre-existing skin and respiratory diseases.

Chronic Effects: Repeated or prolonged exposure may cause kidney, liver, spleen and central nervous system damage. May cause brain cell and neuromuscular damage based upon animal studies.

Carcinogenicity: Toluene is listed by IARC as a class 3, *unclassifiable as to carcinogenicity in humans*.

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### SECTION 4: FIRST AID MEASURES

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First Aid Procedures:	If this material contacts the eyes, hold eyelids open and flush immediately with a gentle stream of water for at least 15 minutes, preferably at an eyewash fountain. Get medical attention. In case of skin contact, clean with rubbing alcohol first, followed immediately by washing affected area with soap and water. In case of inhalation, remove to fresh uncontaminated air. Administer oxygen if breathing is labored. Give artificial respiration if breathing has stopped. Get medical attention immediately if oxygen or artificial respiration are administered. In case of accidental ingestion, do not induce vomiting. Get medical attention and advise the physician of the nature of the material.
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### SECTION 5: FIRE FIGHTING PROCEDURES

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Suitable Extinguishing Media:	Foam, carbon dioxide, dry chemical, and sand may all be suitable for extinguishing fires involving this product. Direct application of water may cause the fire to spread, but should be used to keep fire-exposed containers cool.
Hazardous Combustion Products:	Carbon dioxide, carbon monoxide, fluorine gas, acrid smoke and irritating fumes.
Recommended Fire Fighting Procedures:	Wear impermeable protective clothing and self-contained breathing apparatus. Toxic fumes or vapors may be produced.
Unusual Fire and Explosion Hazards:	This product is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

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### SECTION 6: PRECAUTIONS FOR SAFE HANDLING AND USE

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Steps to Be Taken in Case Material is Released or Spilled:	Shut off and eliminate all ignition sources. Keep people away. Recover free product. Add sand, earth or other suitable absorbent to spill area. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces. Open all windows and doors. Keep product clear of sewers, water, or extensive land areas. Assure conformity with applicable government regulations. Continue to observe precautions for volatile, flammable vapors from absorbed material.
Precautions to Be Taken in Handling and Storing:	Keep away from heat, sparks, and open flames. Store in a cool, dry place with containers tightly closed. Vapors of this material are heavier than air and will collect in low or confined areas. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers. Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground all transfer containers and equipment.

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### SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

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Ventilation:	Use with ventilation sufficient to prevent exceeding recommended exposure limits or build up of explosive concentrations of vapor in air.
Respiratory Protection:	If personal exposure concentrations cannot be maintained below the appropriate exposure limits using engineering controls, a

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Eye Protection:	NIOSH-certified respirator may be appropriate based on employer-determined exposure levels. The use of safety glasses with side shields when pouring or applying this product may be warranted.
Skin Protection:	The use of polyvinyl alcohol, nitrile rubber, or neoprene glove when handling this product to avoid prolonged skin contact may be warranted.
Other:	Not required.
Work / Hygienic Practices:	Wash exposed skin prior to eating, drinking or smoking and at the end of each shift. Wash contaminated clothing prior to reuse.

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### SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

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Appearance and Odor:	Black liquid with characteristic aromatic odor		
Flash Point:	39°F	Lower Explosive Limit:	1.2%
Method Used:	Unknown	Upper Explosive Limit:	7.0%
Evaporation Rate:	Unknown	Boiling Point:	230°F
pH (undiluted product):	Unknown	Melting Point:	Not Applicable
Solubility in Water:	Insoluble	Specific Gravity:	1.18 (Water=1)
Vapor Density:	Unknown	Percent Volatile:	90.7%
Vapor Pressure:	22 mm Hg @ 20°C		
Ignition Temperature:	995°F		

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### SECTION 9: STABILITY AND REACTIVITY

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Thermal Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Avoid flames, sparks or other sources of ignition. Incompatible with acids, alkalies, reactive metals and strong oxidizing agents.

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### SECTION 10: TRANSPORTATION

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Regulatory Agency:	U.S.A.. DOT
Proper Shipping Name:	Adhesive, <i>containing a flammable liquid</i>
Hazard Classification:	3
Identification Number:	UN1133
Packing Group:	II
Labels Required:	Flammable Liquid
Other Requirements:	None known

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### SECTION 11: MISCELLANEOUS INFORMATION

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Additional Comments:	None
Date of Previous MSDS:	Not applicable. New product.

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Changes Since Previous MSDS: Not applicable.

Telephone Number for Additional Information: (317) 575-7190

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