

GenFlex Roofing Systems Material Safety Data Sheet

Material Name Cleaner

February 5, 2008

*** Section 1 - Chemical Product and Company Identification ***

Product Use: Cleaner

Manufacturer Information

GenFlex Roofing Systems, LLC
250 West 96th Street
Indianapolis, IN 46260

Phone: 317-575-7190 (Non-Emergency)

Emergency # 1-800-424-9300 (CHEMTREC)

International # 1-703-527-3887 (CHEMTREC)

General Comments

NOTE: CHEMTREC telephone number is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to customer service.

*** Section 2 - Hazards Identification ***

Emergency Overview

Product is a flammable clear liquid. This product is harmful by inhalation, when in contact with the skin and if it is swallowed. Inhalation of vapors in large amounts may cause CNS depression. This product is a pulmonary aspiration hazard.

Potential Health Effects: Eyes

This product may cause irritation to the eyes. Vapors, fumes, or particles from this material will cause eye irritation. Symptoms include redness, swelling, tearing and blurred vision.

Potential Health Effects: Skin

This product may cause irritation to the skin. Prolonged or repeated contact may cause redness, cracking and may dry and/or defat the skin. This product may be harmful if it is absorbed through the skin.

Potential Health Effects: Ingestion

Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of small amounts into the lung may produce severe lung damage, including chemical pneumonitis.

Potential Health Effects: Inhalation

Prolonged inhalation of vapors may cause irritation of the respiratory tract. Other symptoms may include signs of CNS depression involving weakness, dizziness, giddiness, loss of coordination and judgment. Severe overexposure may cause coma and death due to respiratory failure. Chronic health effects should not arise unless the product is dried, a respirable airborne dust is formed, and prolonged and repeated breathing of this dried material occurs.

HMIS Ratings: Health: 2 Fire: 3 Reactivity: 0 Pers. Prot.: chemical goggles, impervious gloves

(Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard)

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component	Approx. Weight Percent
64742-89-8	Solvent naphtha (petroleum), light aliphatic	100*
68410-97-9	Distillates, petroleum, light distillate hydrotreating process, low-boiling	100*

*NOTE: Only one of the two components will be present at a time in the product.

Component Information/Information on Non-Hazardous Components

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication) and the Canadian Controlled Product Regulations.

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

First Aid: Skin

For skin contact, flush with large amounts of water while removing contaminated clothing. Wash contaminated clothing before reuse. Seek medical attention.

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First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting unless instructed to do so by medical personnel.

First Aid: Inhalation

If inhaled, remove immediately to fresh air. If symptoms develop or persist, seek immediate medical attention.

First Aid: Notes to Physician

This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately.

***** Section 5 - Fire Fighting Measures *****

General Fire Hazards

See Section 9 for Flammability Properties.

Product is a flammable liquid. Highly toxic fumes and gases will be released upon combustion. Empty containers may retain product residue including Flammable or Explosive vapors. Do not cut, drill, grind, or weld near full, partially full, or empty product containers.

Hazardous Combustion Products

Upon combustion the product may yield smoke, fumes, aldehydes, carbon monoxide, carbon dioxide and other low molecular weight hydrocarbons.

Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog. Use water to cool fire-exposed containers and to protect personnel.

Fire Fighting Equipment/Instructions

Cool heated containers with water spray from a safe distance. Firefighters should avoid inhaling any combustion products. Firefighters should wear full protective clothing including self contained breathing apparatus.

NFPA Ratings: Health: 2 Fire: 3 Reactivity: 0

(Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe)

***** Section 6 - Accidental Release Measures *****

Containment Procedures

Contain by any means necessary. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

Clean-Up Procedures

Absorb spilled material with nonflammable inert absorbent. Use non-sparking tools. Do not allow the spilled product to enter public drainage system or open water courses. Ventilate the contaminated area. Thoroughly wash the area with water after a spill or leak clean-up.

Evacuation Procedures

Evacuate the area promptly. Keep upwind of the spilled material and isolate exposure.

Special Procedures

Avoid skin contact and inhalation of vapors during disposal of spills.

***** Section 7 - Handling and Storage *****

Handling Procedures

Do not breathe gas/fumes/vapor/spray. Use this product with adequate ventilation. Do not get this material in your eyes, on your skin, or on your clothing. Wash thoroughly after handling. Keep this product from heat, sparks, or open flame.

Storage Procedures

Keep this material in a cool, well-ventilated place. Eliminate all sources of ignition. Bond and ground all containers before transfer.

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*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines

A: General Product Information

Follow all applicable exposure limits.

B: Component Exposure Limits

ACGIH, OSHA, NIOSH or the provinces of Canada have not developed exposure limits for any of this product's components.

Engineering Controls

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces. Special care must be taken to avoid inhalation exposure when using this product at high temperatures.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear chemical goggles; face shield (if splashing is possible).

Personal Protective Equipment: Skin

Use impervious gloves. Use of protective coveralls and long sleeves is recommended.

Personal Protective Equipment: Respiratory

If ventilation is not sufficient to effectively remove and prevent buildup of dusts, mists, vapor or spray, appropriate NIOSH approved respirator must be provided.

Personal Protective Equipment: General

Use good industrial hygiene practices in handling this material.

*** Section 9 - Physical & Chemical Properties ***

Appearance:	Clear liquid.	Odor:	Aliphatic solvent odor
Physical State:	Liquid	pH:	Not available
Vapor Pressure:	15.00 mm Hg @ 100°F (Naphtha), 0.2895 psia @ 68°F (Distillates)	Vapor Density:	3.80 (Air = 1) (Naphtha)
Boiling Point:	240°F-285°F @ 760.00 mm Hg (Naphtha), >245°F (Distillates)	Melting Point:	Not available
Solubility (H2O):	Insoluble	Specific Gravity:	0.743-0.750 @ 60°F (Naphtha)
Evaporation Rate:	9.20 (Naphtha)	Weight % Volatile:	100%
Flash Point:	50° F (10° C) (Naphtha), >50.5° F (12.2° C) Distillates	Flash Point Method:	Tag Closed Cup
Auto Ignition:	Not available	UFL:	Not available
LFL:	0.9% (Naphtha)		

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable under normal conditions.

Chemical Stability: Conditions to Avoid

Avoid open flame and excessive temperatures. Keep away from ignition sources and incompatible materials.

Incompatibility

This product may react with strong acids, strong bases and oxidizing agents. Avoid extreme heat which can result in thermal decomposition releasing toxic gases.

Hazardous Decomposition

Upon decomposition this product may yield smoke, fumes, aldehydes, carbon monoxide, carbon dioxide and other low molecular weight hydrocarbons.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

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*** Section 11 - Toxicological Information ***

Acute Dose Effects

A: General Product Information

Vapors may be irritating to the skin, eyes and respiratory system. Overexposure to this product may cause central nervous system (CNS) depression with symptoms including nausea, vomiting, weakness, dizziness, giddiness, loss of coordination and judgement. Severe overexposure may cause coma and death due to respiratory failure. Intentional misuse by deliberately concentrating and inhaling vapor may be harmful or fatal. Ingestion carries a risk of pulmonary aspiration and chemical pneumonitis.

B: Component Analysis - LD50/LC50

Solvent naphtha (petroleum), light aliphatic (64742-89-8)

Oral LD50 Rat: 5000 mg/kg; Dermal LD50 Rabbit: 3000 mg/kg

Carcinogenicity

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

None of this product's components present at greater than 0.1% are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information available for product. Organic solvents may produce significant toxicity to aquatic organisms and ecosystems.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Solvent naphtha (petroleum), light aliphatic (64742-89-8)

Test & Species

Conditions

72 Hr EC50 Selenastrum capricornutum 4700 mg/L

Environmental Fate

No information available for the product.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

If discarded, this product is considered a RCRA ignitable waste, D001. Waste should be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

*** Section 14 - Transportation Information ***

International Transportation Regulations

International Transportation Regulations

International Air Transportation Association (IATA):

Petroleum distillates, n.o.s.

Hazard Class: 3

UN/NA #: UN1268

Packing Group: II

Required Label(s): Flammable Liquid

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International Maritime Dangerous Goods (IMDG) Code:

Petroleum distillates, n.o.s.

Hazard Class: 3

UN/NA #: UN1268

Packing Group: II

Required Label(s): Flammable Liquid

US DOT Information

Shipping Name: Petroleum distillates, n.o.s.

UN/NA #: UN1268 **Hazard Class:** 3 **Packing Group:** II

Required Label(s): Flammable Liquid

TDG Information

Shipping Name: Petroleum distillates, n.o.s.

UN/NA #: UN1268 **Hazard Class:** 3 **Packing Group:** II

Required Label(s): Flammable Liquid

Additional Info.: None.

*** Section 15 - Regulatory Information ***
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US Federal Regulations

All of the components of this product are listed on, or are exempted from listing on the U.S. EPA TSCA Inventory of Chemical Substances.

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, or PA.

Canadian WHMIS Information

A: General Product Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by CPR.

WHMIS Class:

B2- Flammable Liquid

D2B- Irritating to eyes and skin

B: Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

Additional Regulatory Information

A: General Product Information

No additional information.

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B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS	AUST	KOREA
Solvent naphtha (petroleum), light aliphatic	64742-89-8	Yes	Yes	Yes	Yes	Yes
Distillates, petroleum, light distillate hydrotreating process, low-boiling	68410-97-9	Yes	Yes	Yes	Yes	Yes

*** Section 16 - Other Information ***

Date of Previous MSDS: April 4, 2007

Changes Since Previous MSDS: Section 1 – Product name change and company address change.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NFPA = National Fire Protection Association; HMIS = Hazardous Material Identification System; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act

*** Disclaimer ***

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