

MSDS ID: 969383



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EC Directive Pictograms



WHMIS Pictograms



SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

(N/A)

Product Name: **Greenlee Green**

Manufacturer Name: Greenlee Textron

Address:

Emergency information:
CHEMTEL 1-800-255-3924, 813-248-0585
*if located outside the U.S. *

Revision Date: 07/14/2009

Trade Names: GREENLEE GREEN

Distributor Address: Emergency information:
CHEMTEL 1-800-255-3924, 813-248-0585
*if located outside the U.S. *

Information department: Health & Safety Department

NFPA ratings (0 - 4)
HMIS-ratings (0 - 4)Material Safety Data Sheet
acc. to ISO/DIS 11014

Product Codes: GL00010000

NFPA

	4	
1		3

HMIS

HEALTH	1
FIRE	4
REACTIVITY	3
PPE	

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SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

: (N/A)

Ingredient Name	CAS#	Ingredient Percent
Acetone	67-64-1	38.35%
EC Index Number:	1	
Propane	74-98-6	15.75%
EC Index Number:	1	
Toluene	108-88-3	12.04%
EC Index Number:	1	

N-butane	106-97-8	9.25%
EC Index Number:	1	
Methyl Propyl Ketone	107-87-9	3.18%
EC Index Number:	1	
PM acetate	108-65-6	2.36%
EC Index Number:	1	
Glycol Ether EP	2807-30-9	1.57%
EC Index Number:	1	

Comments: Dangerous components
Chemical Description: This product is a mixture of the substances listed above with nonhazardous additions.

Additional information: For the wording of the listed risk phrases refer to section 3.

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SECTION 3 : HAZARDS IDENTIFICATION

: (N/A)

Hazard description: Harmful
 Extremely flammable


Physical dangers: Extremely flammable liquid and vapor in a pressurized container. Keep away from heat, sparks, and flame.
 Has narcotizing effect.
 Extremely flammable.
 Irritating to eyes.
 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
 Keep out of the reach of children.

NFPA ratings (0 - 4):
 Health = 1
 Fire = 4
 Reactivity = 3

HMIS-ratings (0 - 4):
 Health = 1
 Fire = 4
 Physical Hazard = 3

Applies to All Ingredients :

Chronic Health Effects: May cause permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart, and blood.
 Intentional misuse by deliberately inhaling the contents may be harmful or fatal.

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SECTION 4 : FIRST AID MEASURES

: (N/A)

Eye Contact: Move to fresh air. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Skin Contact: Remove contaminated clothing. Wash exposed area with soap and water.

Inhalation: If breathing is difficult, administer oxygen.


Ingestion: After swallowing: Contact physician or poison control center.

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SECTION 5 : FIRE FIGHTING MEASURES

: (N/A)


Explosion:	Danger of explosion: Stable at normal temperatures. Can may burst when exposed to temperatures exceeding 120 deg fahrenheit. In use, may form flammable/explosive vapour-air mixture.
Flash Point:	-19 deg C
Upper Flammable or Explosive Limit:	10.9 Vol %
Lower Flammable or Explosive Limit:	1.7 Vol %
Auto Ignition Temperature:	Product is not self-igniting.
Extinguishing Media:	CO2, sand, extinguishing powder. Do not use water. CO2, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.
Protective Equipment:	No special measures required.

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SECTION 6 : ACCIDENTAL RELEASE MEASURES

: (N/A)


Personal Precautions:	Wear protective equipment. Keep unprotected persons away.
Spill Cleanup Measures:	Do not flush with water or aqueous cleansing agents. Use diluted caustic solution. Soak up spills with inert absorbent material. Refer to section 13 for disposal information. Ensure adequate ventilation.
Environmental Precautions:	Inform appropriate authorities in case of seepage into water course or sewage system. Do not allow product to reach sewage systems or ground water.

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SECTION 7 : HANDLING and STORAGE

: (N/A)

Handling:	Fire/explosion protection: Do not smoke. Protect from electrostatic charges. Do not spray on a naked flame or any incandescent material. Do not smoke. Protect from electrostatic discharges.
Storage:	Requirements: Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions. Observe pressurized container storage regulations. Consult with your local authorities.
Hygiene Practices:	Keep away from foodstuffs and animal feed. Wash hands after use.

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SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

: (N/A)

Hand Protection Description:	Protective gloves. The glove material has to be impermeable and resistant to the substance. No glove recommendation can be given.
Eye/Face Protection:	Tightly sealed goggles.
Respiratory Protection:	Breathing equipment: Use suitable respiratory protective device in case of insufficient ventilation. A respirator is generally not necessary when using this product outdoors or in large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical hygiene.
Exposure Limits:	Components with limit values that require monitoring at the workplace: Component: PM acetate CAS No: 108-65-6 WEEL: 50 ppm
Hygienic protection:	Keep away from foodstuffs and animal feed. Wash hands after use.

Ingredient Guidelines**Ingredient:** Acetone

Guideline Type:	OSHA PEL-TWA
Guideline Information:	2400 mg/m3, 1000 ppm
Guideline Type:	NIOSH REL-TWA
Guideline Information:	590 mg/m3, 250 ppm
Guideline Type:	ACGIH TLV-STEL
Guideline Information:	Short-term value: 1782 mg/m3, 750 ppm
Guideline Type:	ACGIH TLV-TWA
Guideline Information:	Long-term value: 1188 mg/m3, 500 ppm BEI

Ingredient: Methyl Propyl Ketone

Guideline Type:	OSHA PEL-TWA
Guideline Information:	700 mg/m3, 200 ppm
Guideline Type:	NIOSH REL-TWA
Guideline Information:	530 mg/m3, 150 ppm
Guideline Type:	ACGIH TLV-STEL
Guideline Information:	Short-term value: 529 mg/m3, 150 ppm

Ingredient: N-butane


Guideline Type:	NIOSH REL-TWA
Guideline Information:	1900 mg/m3, 800 ppm
Guideline Type:	ACGIH TLV-TWA
Guideline Information:	Varies mg/m3, 1000 ppm

Ingredient: Propane

Guideline Type:	NIOSH REL-TWA
Guideline Information:	1800 mg/m3, 1000 ppm
Guideline Type:	OSHA PEL-TWA
Guideline Information:	1800 mg/m3, 1000 ppm
Guideline Type:	ACGIH TLV-TWA
Guideline Information:	Varies mg/m3, 1000 ppm

Ingredient: Toluene

Guideline Type:	OSHA PEL-STEL
Guideline Information:	Short-term value: C 300; 500* ppm (*10-min peak per 8-hr shift)
Guideline Type:	OSHA PEL-TWA
Guideline Information:	Long-term value: 200 ppm
Guideline Type:	NIOSH REL-STEL
Guideline Information:	Short-term value: 560 mg/m3, 150 ppm
Guideline Type:	ACGIH TLV-TWA
Guideline Information:	75 mg/m3, 20 ppm
Guideline Type:	NIOSH REL-TWA
Guideline Information:	Long-term value: 375 mg/m3, 100 ppm


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SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

: (N/A)

Physical State/Appearance:	Form: Aerosol
Color:	According to trade name description in section 1.
Odor:	Aromatic
Vapor Pressure:	40 PSI, 2750 hPa
Flash Point:	-19 deg C
Auto Ignition Temperature:	Product is not self-igniting.
Upper Explosive Limit:	10.9 Vol %
Lower Explosive Limit:	1.7 Vol %

Boiling Point:	-44 deg C
Specific Gravity:	Between 0.77 and 0.85 (Water equals 1.00)
Density:	At 20 deg C: 0.7561 g/cm3
Volatile Organic Compound Content:	543.6 g/l/4.54 lb/gl
VOC Less H2O & Exempt Solvents:	VOC content (less exempt solvents): 45.5 % MIR Value: 1.10 Danger of explosion: Stable at normal temperatures. Can may burst when exposed to temperatures exceeding 120 deg fahrenheit. In use, may form flammable/explosive vapour-air mixture. Solids content: 15.7 %

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SECTION 10 : STABILITY and REACTIVITY

: (N/A)

Chemical Stability:	Stable at normal temperatures.
Conditions to Avoid:	Do not allow the can to exceed 120 deg Fahrenheit. Stable at normal temperatures.
Reactivity:	Hazardous Reactions: No dangerous reactions known.


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SECTION 11 : TOXICOLOGICAL INFORMATION

: (N/A)

Applies to All Ingredients :


Eye Effect:	Irritating effect.
Skin Effects:	No irritant effect.
Sensitization:	No sensitizing effects known.
Other Toxicological Information:	Additional toxicological information: Harmful

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SECTION 12 : ECOLOGICAL INFORMATION

: (N/A)

Effect of Material On Aquatic Life:	Acquatic toxicity: Hazardous for water, do not empty into drains.
Other:	Other information: Product does not contain CFC's. This product does not contain any chlorofluorocarbons (CFC's) or chlorinated solvents.

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SECTION 13 : DISPOSAL CONSIDERATIONS

: (N/A)

Waste Disposal:	Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches. Recommendation: Completely empty cans should be recycled.
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SECTION 14 : TRANSPORT INFORMATION

: (N/A)

DOT Shipping Name:	Aerosols, Flammable Consumer Commodity ORM-D
DOT Hazard Class:	2.1
DOT Identification Number:	Not Applicable

DOT Subpart E Labeling Requirement:	2.1
IATA Class:	2.1
RID/ADR UN Number:	1950
RID/ADR Class:	2 5F Gases
CGVS/GGVE/IMDG Class:	2.1
CGVS/GGVE/IMDG Packaging Group:	II
EMS Number:	F-D, S-U
Maritime Pollutant:	No
	ICAO Class: 2.1

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SECTION 15 : REGULATORY INFORMATION

: (N/A)

Applies to All Ingredients :

TSCA 8(b): Inventory Status:	All ingredients are listed.
Section 302:	SARA Section 355 (extremely hazardous substances): None of the ingredients in this product are listed.
State:	California Proposition 65 chemicals known to cause cancer: Chemical Name: Ethyl benzene CAS No: 100-41-4
Canada WHMIS:	WHMIS Symbols for Canada: A - Compressed gas D2A - Very toxic material causing other toxic effects
Risk Phrases:	Extremely flammable. Irritating to eyes. Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Safety Phrase:	Keep out of the reach of children. Do not breathe gas/fumes/vapour/spray. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point Wear suitable protective clothing and gloves. If swallowed, seek medical advice immediately and show this container or label. Use only in well-ventilated areas. CPSC: This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead. EPA: A = Known human carcinogen B = Probable human carcinogen C = Possible human carcinogen D = Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available). I: 'Data are inadequate for an assessment of human carcinogeni potential.' II: 'Inadequate information to assess carcinogenic potential.' IARC: Group 2B: The ingredient is possibly carcinogenic to humans. There is limited evidence of carcinogenicity. Group 3: The ingredient is unclassifiable as to its carcinogenicity to humans. ACGIH TLVs: A1-designates a confirmed human carcinogen. A2-designates a suspected human carcinogen. A3-designates an animal carcinogen. A4-designates "not classifiable as a human carcinogen". NIOSH: The following substances are regulated in the United States with reference to occupational exposure limits: Chemical Name: Titanium dioxide CAS No: 13463-67-7

Acetone :

Chemical Name: Acetone
 CAS No: 67-64-1
 EPA: I: 'Data are inadequate for an assessment of human carcinogeni potential.'

Chemical Name: Acetone
 CAS No: 67-64-1
 ACGIH: A4-designates "not classifiable as a human carcinogen".

Toluene :

Section 313 Toxic Release Form: SARA Section 313 (Specific toxic chemical listings):

Chemical Name: Toluene
 CAS No: 108-88-3

State: California Proposition 65 chemicals known to cause developmental toxicity:

Chemical Name: Toluene
 CAS No: 108-88-3

Chemical Name: Toluene
 CAS No: 108-88-3
 EPA: II: 'Inadequate information to assess carcinogenic potential.'

Chemical Name: Toluene
 CAS No.: 108-88-3
 IARC: Group 3: The ingredient is unclassifiable as to its carcinogenicity to humans.

Chemical Name: Toluene
 CAS No: 108-88-3
 ACGIH: A4-designates "not classifiable as a human carcinogen".

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SECTION 16 : ADDITIONAL INFORMATION

: (N/A)

HMIS:

Health Hazard:	1
Fire Hazard:	4
Reactivity:	3

NFPA:

Health:	1
Fire Hazard:	4
Reactivity:	3

MSDS Revision Date: 07/14/2009

MSDS Author: Contact: Regulatory Affairs

Disclaimer:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

NFPA ratings (0 - 4)
 HMIS-ratings (0 - 4)

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 VOC: Volatile Organic Compounds (USA, EU)
 DOT: US Department of Transportation
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 PP: Severe Marine Pollutant
 P: Marine Pollutant
 ISO: International Organization for Standardization
 EPA: Environmental Protection Agency
 IARC: International Agency for the Research of Cancer
 NIOSH: National Institute for Occupational Safety and Health
 TSCA: Toxic Substances Control Act
 CPSC: Consumer Product Safety Commission

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