



## 1. PRODUCT AND COMPANY IDENTIFICATION

<u>Company</u>	<u>24 Hour Emergency Response Information</u>
Product Name: SBR and Neoprene Adhesive	1-800-364-3577 or (651)737-6501
Manufacturer: The Greenstreak Group	
Address: 3400 Treecourt Industrial Blvd St. Louis MO 63122	

Issues date: 05/02/2005  
Supercedes Date: 06/08/2003

Product Use:  
Specific Use: CONTACT ADHESIVE

## 2. COMPOSITION/ INFORMATION ON INGREDIENTS

<u>CAS Number</u>	<u>Content(% by Wt)</u>	<u>Chemical Name</u>
64741-84-0	15-25	NAPHTHA SOLVENT LIGHT
9010-98-4	10-20	POLYCHLOROPRENE
110-54-3	10-20	N-HEXANE
67-64-1	10-20	ACETONE
78-93-3	7-13	METHYL ETHYL KETONE
68611-24-5	7-13	MAGNESIUM RESINATE
Mixture	5-10	MIXED HEXANE ISOMERS
108-88-3	3-7	TOLUENE
Mixture	1-3	MIXED HEPTANES

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

**Odor, Color, Grade:** grey/green, strong petroleum odor.

**General Physical Form:** Liquid

**Immediate health, physical, and environmental hazards:** Closed containers exposed to heat from fire may build pressure and explode. Extremely flammable liquid and vapor. Vapors may travel long distances along the ground or floor to an ignition source and flash back. May cause target organ effects. Contains a chemicals which can cause birth defects or other reproductive harm.

### Potential Health Effects



**Eye Contact:**

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

**Skin Contact:**

Moderate Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

May be absorbed following inhalation and cause target organ effects.

**Inhalation:**

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, nausea, diarrhea and vomiting.

May be absorbed following ingestion and cause target organ effects.

**Target Organ Effects:**

Central Nervous system (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Prolonged or repeated exposure may cause:

Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

Central Neuropathy: Signs/symptoms may include irritability, memory impairment, personality changes, sleep disorder, and decreased ability to concentrate.

Peripheral Neuropathy: Signs/symptoms may include tingling or numbness of the extremities, incoordination, weakness of the hands and feet, tremors and muscle atrophy.

Kidney Effects: Signs/symptoms may include reduced or absent urine production, increased serum creatinine, lower back pain, increased protein in urine, and increased blood urea nitrogen (BUN).

Methyl ethyl ketone has been shown to potentiate the neurotoxic effects of n-hexane. Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

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#### 4. FIRST AID MEASURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

**If inhaled:**

Remove person to fresh air. If signs/symptoms develop, get medical attention.

**If on skin:**



Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

**If in eyes:**

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

**If swallowed:**

Do not induce vomiting. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get immediate medical attention.

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## 5. FIRE FIGHTING MEASURES

**Flammable Properties:**

Autoignition temperature:	No Data Available
Flash Point:	-14 °F (Test Method: Tagliabue Closed Cup)
Flammable Limits- LEL	1% volume
Flammable Limits- UEL	12.8% volume

**Suitable extinguishable media:**

Use fire extinguishers with class B extinguishing agents ( e.g., dry chemical, carbon dioxide).

**Hazards during fire fighting:**

Not applicable. Closed containers exposed to heat from fire may build pressure and explode. Extremely flammable liquid and vapor. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

**Special Fire Fighting Procedures:**

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective equipment (Bunker Gear) and a self- contained breathing apparatus (SCBA).

**Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.**

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## 6. ACCIDENTAL RELEASE MEASURES

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call 3M-HELPS line (1-800-364-3577) for more information on handling and managing the spill. Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. **Warning!** A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Contain spill. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Avoid contact with incompatible materials listed in the Reactivity Data Section. Cover spill area with a fire- extinguisher foam. An aqueous film forming foam (AFFF) is recommended. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability



hazard. Collect as much of the spilled material as possible using non-sparking tools. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and following safety precautions on the solvent label and MSDS. Place in a metal container approved for transportation by appropriate authorities. Seal the container. Dispose of collected material as soon as possible.

**In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.**

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## 7. HANDLING AND STORAGE

### **Handling**

Ground containers securely when transferring contents. Wear low static or properly grounded shoes. Vapors may ignite explosively. May cause flash fire. Prevent build-up of vapors – open all windows and doors. Maintain vapor concentrations below recommended exposure limits. Use only with cross-ventilation. Without adequate ventilation, vapors may settle in low-lying areas. Keep away from heat, sparks, and open flame. Do not smoke or ignite matches, lighters, etc. Extinguish pilot lights and turn off stoves, ovens and other gas and electric appliances (space and water heaters, furnaces, etc.), electric motors, and other sources of ignition during adhesive use and until all vapors are gone; i.e., until the odor of vapors at the floor level has disappeared. Do not use electric light switches. Do not generate static sparks (such as by walking on carpet, etc.). Use the same precautions to any other container to which this product may be transferred. Avoid prolonged breathing of vapors. Avoid eye and skin contact. Keep container closed when not in use. If work area conditions prevent compliance with any of the above precautions, do not use the product. Keep out of the reach of children. For industrial or professional use only: Not intended for consumer sale or use. Follow OTHER PRECAUTIONARY INFORMATION below.

### **Storage**

#### **General Advice:**

Store away from acids. Store away from heat. Store out of direct sunlight. Keep container in well-ventilated area. Keep container tightly closed. Store away from oxidizing agents.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Advice on system design**

Use with appropriate local exhaust ventilation. Provide appropriate local exhaust ventilation on open containers. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapor, or spray. If ventilation is not adequate, use respiratory protection equipment.

### **Personal Protective Equipment**

#### **Respiratory protection:**

Avoid breathing of vapors, mists or spray.

Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half facepiece air-purifying respiratory with organic vapor/ acid cartridges and P95 particulate prefilters, Half facepiece air-purifying respirator with organic vapor/acid gas cartridges and N95 particulate prefilters, Half facepiece air-purifying respiratory with organic vapor/acid gas cartridges. Consult the current 3M Respiratory Selection Guide for additional information or call 1-800-243-46-30 for 3M technical assistance.



**Skin protection:**

Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Gloves made from the following material(s) are recommended: Polyethylene/Ethylene Vinyl Alcohol.

**Eye/Face protection:**

Avoid eye contact. Avoid eye contact with vapors, mists, or spray.

The following eye protection(s) are recommended: Safety Glasses with side shields, Indirect Vented Goggles.

**Prevention of Swallowing:**

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

**EXPOSURE GUIDELINES**

<u>Ingredient</u>	<u>Authority</u>	<u>Type</u>	<u>Limit</u>	<u>Additional Information</u>
ACETONE	ACGIH	TWA	500ppm	Table A4
ACETONE	ACGIH	STEL	750ppm	Table A4
ACETONE	OSHA	TWA, Vacated	750ppm	
ACETONE	OSHA	TWA	1000ppm	Tabel Z- 1
ACETONE	OSHA	STEL, Vacated	1000ppm	
N-HEXANE	ACGIH	TWA	50ppm	Skin Notation*
N-HEXANE	OSHA	TWA, Vacated	50ppm	Table Z-1A
N-HEXANE	OSHA	TWA	500ppm	Table Z-1A
METHYL ETHYL KETONE	ACGIH	TWA	200ppm	
METHYL ETHYL KETONE	ACGIH	STEL	300ppm	
METHYL ETHYL KETONE	OSHA	TWA	200ppm	Table Z-1A
METHYL ETHYL KETONE	OSHA	STEL	300ppm	Table Z-1
TOLUENE	ACGIH	TWA	50ppm	Skin Notation*;TableA4
TOLUENE	CMRG	STEL	75ppm	Skin Notation*
TOLUENE	OSHA	TWA, Vacated	100ppm	
TOLUENE	OSHA	STEL, Vacated	150ppm	
TOLUENE	OSHA	TWA	200ppm	Table Z-2
TOLUENE	OSHA	CEIL	300ppm	Table Z-2

\*Substance(s) refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substances. Vehicles can alter skin absorption.

VAC Vacated PEL: Vacated Permissible Exposure Limits [PEL] are enforced as the OSHA PEL in some states. Check with your local regulatory agency.

Source of Exposure Limit Data:

- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacturer Recommended Guideline
- OSHA: Occupational Safety and Health Administration
- AIHA: American Industrial Hygiene Association Workplace Environmental



Exposure Level (WEEL).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Odor:	Strong petroleum
Color:	grey/green
Autoignition temperature:	No Data Available
Flash Point:	-14°F [Test Method: Tagliabue Closed Cup]
Flammable Limits-LEL	1% volume
Flammable Limits-UEL	12.8% volume
Boiling Point	132°F [Details: CONDITIONS: acetone]
Vapor Density:	3 [Ref Std: AIR=1]
Vapor Pressure:	180 mmHg [Details: CONDITIONS: @68°F]
Specific Gravity:	.84 [Ref Std: WATER=1]
PH:	No Data Available
Melting Point:	No Data Available

## 10. STABILITY AND REACTIVITY

**Stability:**  
Stable

**Materials and Conditions to avoid:**  
Strong oxidizing agents

**Hazardous Polymerization:**  
Hazardous polymerization will not occur.

### Hazardous Decomposition or By-Products:

<u>Substance</u>	<u>Condition</u>
Aldehydes	During Combustion
Hydrocarbons	During Combustion
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion
Hydrogen Chloride	During Combustion
Ketones	During Combustion

## 11. TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.



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## 12. ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION

Not determined

### CHEMICAL FATE INFORMATION

Not determined

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## 13. DISPOSAL CONSIDERATIONS

### Waste disposal of substance:

Dispose of completely cured (or polymerized) wastes in a sanitary landfill. Incinerate uncured product in a permitted hazardous waste incinerator. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility. Combustion products will include HCl. Facility must be capable of handling halogenated materials.

### EPA Hazardous Waste Number (RCRA):

D001 (Ignitable), D035 (Methyl ethyl ketone)

**Since regulations vary, consult applicable regulations or authorities before disposal.**

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## 14. TRANSPORT INFORMATION

### ID Number(s):

62-1357-2630-5, 62-1357-2631-3, 62-1357-5530-4, 62-1357-5535-3, 62-1357-6530-3,  
62-1357-7530-2, 62-1357-8530-1, 62-1357-8540-0, 62-1357-9531-8, 62-1357-9532-6,  
78-8990-0393-9

**Please contact the emergency numbers listed on the first page of the MSDS for  
Transportation Information for this material.**

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## 15. REGULATORY INFORMATION

### Federal Regulations

Contact 3M for more information.

### SARA hazard categories (EPCRA 311/312):

Fire Hazard-Yes      Pressure Hazard-No      Reactivity Hazard-No      Immediate-Yes  
Delayed Hazard-Yes

**Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR  
part 72 (EPCRA):**

<u>Ingredient</u>	<u>C.A.S. No</u>	<u>% by Wt</u>
TOLUENE	108-88-3	3-7
N-HEXANE	110-54-3	10-20



METHYL ETHYL KETONE      78-93-3      7-13

**This material contains a chemical which requires export notification under TSCA Section 12[b]:**

<u>Ingredient (Category if applicable)</u>	<u>C.A.S. No</u>	<u>Regulation</u>	<u>Status</u>
N-HEXANE	110-54-3	Toxic Substances Control Act (TSCA) 4 Test Rule Chemicals	Applicable
ACETONE	67-64-1	Toxic Substances Control Act (TSCA) 4 Test Rule Chemicals	Applicable

**State Regulations**

Contact 3M for more information.

**CALIFORNIA PROPOSITION 65**

<u>Ingredient</u>	<u>C.A.S. No</u>	<u>Classification</u>
TOLUENE	108-88-3	*Developmental Toxin

\*Warning: contains a chemical or chemicals which can cause birth defects or other reproductive harm.

**CHEMICAL INVENTORIES**

The components of this product are in compliance with the chemical notification requirements of TSCA.

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS.

Contact 3M for more information.

**INTERNATIONAL REGULATIONS**

Contact 3M for more information

**This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29CFR 1910.1200.**

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**16. OTHER INFORMATION**

**NFPA Hazard Classification**

Health: 2      Flammability: 3      Reactivity: 0      Physical Hazard: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.



**Revision Changes:**

Section 16: NFPA hazard classification heading was modified.  
Section 3: Other potential health effects heading was modified.  
Copyright was modified  
Section 8: Exposure guidelines data source legend was modified.  
Section 3: Immediate physical hazard(s) was modified.  
Section 5: Fire fighting procedures information was modified.  
Section 5: Unusual fire and explosion hazard information was modified.  
Section 7: Handling information was modified.  
Section 7: storage information was modified.  
Section 8: Eye/face protection phrase was modified.  
Section 15: 311/312 hazard categories heading was modified.  
Section 15: International regulations information was modified.  
Section 15: State regulations information was modified.  
Section 15: US federal regulations information was modified.  
Section 10: Hazardous polymerization heading was modified,  
Section 15: TSCA section 12[b] text was modified.  
Section 3: Other health effects information was modified.  
Section 16: NFPA explanation was modified.  
Section 15: Inventories information was modified.  
Section 15: EPCRA 313 text was modified.  
Section 15: California proposition 65 heading was modified.  
Section 15: California proposition 65 reproductive harm warning was modified.  
Section 12: Ecotoxicological information heading was modified.  
Section 12: Chemical fate information heading was modified.  
Section 8: Exposure guidelines legend was modified.  
Section 8 : Exposure guidelines note was modified.  
Section 16: NFPA hazard classification for special hazards was modified.  
Section 3: Other health effects information (reproductive hazards) was modified.  
Section 3 : Other potential health effects was modified.  
Section 12 Ecotoxicological phrase was modified.  
Section 2: Ingredient phrase was added.

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