



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** GlasGrip 636/637

**Synonyms:** Solvent-Based Adhesive

**Manufacturer/Supplier**

Carlisle Coatings & Waterproofing Incorporated  
900 Hensley Lane  
Wylie, TX 75098

**Internet Address:** <http://www.ccwcompanies.com/>

**Fax Number:** (972) 442-0076

**Phone Numbers**

**Medical Emergency:**

**CHEMTREC (USA):** (800) 424-9300

**CHEMTREC (International):**

**MSDS Assistance:** (972) 442-6545

**Fax On Demand:** NA

**Technical Assistance:** (888) 229-2199

**Customer Service:** (888) 229-0199

### 2. COMPONENT INFORMATION

Component	CAS No.	Percent Range	Hazardous in Blend
Heptane	142-82-5	50 - 70	

This product is not hazardous according OSHA 29 CFR 1910.1200.

**Hazards:**

Flammable/Combustible Yes Acute No Chronic No Carcinogen No  
Toxin Toxin  
Pressure No Reactive No Exposure Limit      Target Organ      Other     

### 2A. OTHER INGREDIENTS Greater than 3%

Component	CAS No.
Styrene Butadiene Polymer	9003-55-8
Rosin Ester	65997-05-9

### 3. HAZARDS IDENTIFICATION

**Emergency and Hazards Overview:**

May cause moderate irritation to eyes. May be harmful if swallowed. Read and understand all health and safety information on the product label and Material Safety Data Sheet before use.

**Ratings**

Health 1 Flammability 3 Reactivity 0

**Primary Route of Exposure:** Skin x Inhalation x Eye x Ingestion x

**Health Effect Information**

**Eye Contact:** May cause eye irritation if wiped or rubbed into eyes.

**Skin Contact:** May cause mild skin irritation on prolonged or repeated contact.

**Inhalation:** Breathing high concentrations of vapors may cause nausea & irritation of nose, throat, & respiratory tract. Respiratory symptoms associated with pre-existing lung disorders may be aggravated by exposure to this material.

**Ingestion:** Ingestion of large quantity may cause initial central nervous system stimulation, followed by depression.



**Medical Conditions Aggravated by Exposure:** Prolonged exposure to vapors could aggravate pre-existing disorders in lungs, kidney and liver.

#### 4. FIRST AID INFORMATION

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**Eye Contact:** Flush with water for 15 minutes. Get medical attention immediately.

**Skin Contact:** Wipe off and wash skin with soap and water. Promptly remove contaminated clothing and wash before reuse. Get medical attention immediately.

**Inhalation:** Remove to fresh air. If breathing has stopped, start artificial respiration. Oxygen may be administered. Consult physician immediately.

**Ingestion:** Do not induce vomiting unless directed to do so by a physician. Consult a physician immediately.

**Notes to Physician:**

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#### 5. FIRES AND EXPLOSION INFORMATION

##### Flammable Properties

**Flash Point:** No flash to boiling

**Test Method:** Closed cup

**Flame extension:** NA

**Test Method:** NA

##### Flammable Limits in Air

**Upper Percent:** 7% by vol

**Lower Percent:** 1.0 % by vol

**Auto ignition Temperature:** 433 deg F (223 deg C) **Test Method:** NA

**NFPA Classification:** H 1 F 3 R 0

**Extinguishing Media:** Use foam, dry chemical or carbon dioxide. Water may not be effective as an extinguishing agent. Water fog or spray may be used to provide a smothering effect on fire and to cool fire exposed containers and surrounding combustibles. Do not use a solid stream of water because it can scatter and spread the fire.

##### Fire Fighting Measures

**Special Fire Fighting Procedures and Equipment:** This product contains solvents that are dangerous fire and explosion hazards when exposed to heat or flame. Fire fighters should wear self-contained breathing apparatus and full protective clothing with a full face piece operated in the positive pressure demand mode

**Unusual Fire and Explosion Conditions:** Extremely flammable. Store and use away from all sources of heat, flame, or sparks. Do not smoke while applying. Vapors are heavier than air and may travel along ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electrical motors, static discharge, or other ignition sources at location distant from material handling point and flash back. All containers should be grounded when material is transferred.

**Hazardous Combustion By-Products:** Toxic gases or vapors, such as, carbon monoxide, carbon dioxide, or oxides of nitrogen may be released in a fire.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personnel Safeguards:** Evacuate non-essential personnel to safe areas. Clean-up responders should wear proper protective clothing and gloves before entering the affected area.

**Regulatory Notifications:** Certain component of this product is defined as hazardous according to U.S. EPA. Spill reporting requirements and reportable quantities vary by region. Consult all applicable state and local regulations. For Canada, observe all precautions noted above.

**Containment and Clean up:** Prevent product from entering drinking water supplies or streams. Observe above precautions, collect liquid with inert, noncombustible material and remove for disposal.

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## 7. HANDLING AND STORAGE INFORMATION

**Handling:** Keep out of reach of children. Ground handling equipment. Use away from all sources of heat, flames, or sparks. Launder contaminated clothing. Wash hands with soap and water after use, especially before eating or drinking.

**Storage:** Store in a dry, well ventilated environment away from heat, flame, or sparks. Keep containers closed when not in use with adequate ventilation. Do not pressurize, cut weld or grind containers. Residual product and solvent vapors may ignite explosively.

### Empty Container Warnings

**Drums:** Drums may not be reused.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

### Exposure Limits and Guidelines

Component	CAS No.	Exposure Limit
Heptane	142-82-5	400 ppm OSHA PEL/TWA 500 ppm OSHA/ STEL

### Personal Protective Equipment

**Eye/Face Protection:** Wear safety goggles or face shield. Contact lenses should not be worn.

**Skin Protection:** Hycron®, Neoprene, or Nitrile gloves recommended.

**Respiratory Protection:** Provide adequate ventilation to maintain vapors below PEL/TWA. If vapor levels are exceeded, use NIOSH approved respirator, both during and immediately after application, until vapor levels are below limits.

**Personal Hygiene:** Avoid rubbing eyes during handling. Use good personal hygiene practices to avoid incidental ingestion.

### Engineering Controls / Work Practices

**Ventilation:** Do not use in enclosed areas without proper explosion-proof ventilation. General and local exhaust ventilation must be sufficient to control vapor concentrations and keep the PEL below 400 ppm.

**Other:** Source of clean water should be available in the work area for flushing eyes and skin. Wash thoroughly with soap and water after use and before eating.



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b> Black/Red liquid	<b>Vapor Pressure:</b> 45 mm Hg @ 20°C
<b>Odor:</b> Strong hydrocarbon odor	<b>Vapor Density (air=1):</b> 3.45
<b>Physical state:</b> Liquid	<b>Percent Volatile by Weight:</b> 65 - 70
<b>pH:</b> NA	<b>Volatile Organic Content:</b> 543 gpl
<b>DOT Corrosivity:</b> NA	<b>Molecular Weight:</b> NA
<b>Boiling Point:</b> 209°F (98.5 deg C)	<b>Average Carbon Number:</b> NA
<b>Melting Point:</b> NA	<b>Viscosity @ 77 F:</b> 200 cps
<b>Specific Gravity:</b> 0.78	
<b>Pour Point:</b> NA	
<b>Solubility in Water:</b> Negligible	
<b>Octanol / Water Coefficient:</b> Log $K_{ow}$ = NA	

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## 10. STABILITY AND REACTIVITY INFORMATION

**Chemical Stability:** Stable

**Conditions to Avoid:** Avoid extreme heat, fire, temperature, and ignition sources.

**Incompatible Materials to Avoid:** Avoid strong acids, bases and strong oxidizers.

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## 10. TOXICOLOGICAL INFORMATION (will only print available data)

### *Heptane*

**Primary Eye Irritation:** Irritating at or above 400 PEL

**Primary Skin Irritation:** Irritating at or above 400 PEL

**Dermal Sensitization:** May cause skin sensitization in some people

**Inhalation Toxicity:** Product toxicity has not been determined.

**Acute Toxicity Level:** Slightly toxic

**Mutagenicity:** NA

**Carcinogenicity:** NA

**Reproductive Toxicity:** NA

**Teratogenicity:** NA

**Immunotoxicity:** NA

**Neurotoxicity:** NA

**Additional Data:** Stimulants such as epinephrine may induce ventricular fibrillation

**No other toxicological information available**

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## 11. ECOLOGICAL INFORMATION

### *Heptane*

Ecotoxicity data are not available for this product. This mixture contains components that are potentially toxic to freshwater and saltwater ecosystems.

**No other ecological information available**

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## 13. DISPOSAL INFORMATION

**Regulatory Information:** Consult all regulations (federal, state, provincial, local etc.) or a qualified waste disposal firm when characterizing waste for disposal.

**Waste Disposal Methods:** Recover free liquid. Absorb residue and dispose of according to local, state and Federal EPA regulation. Empty container: may contain explosive vapors. Do



Not cut, puncture or weld on or nearby.

**14. TRANSPORTATION INFORMATION**

**U.S. Department of Transportation (DOT)**

**Highway / Rail (Bulk):** A red caution label is required. Flammable liquid UN1133 Adhesives

**Highway / Rail (Non-Bulk):** A red caution label is required. Flammable liquid UN1133 Adhesives

**The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for all shipping descriptions.**

**Other:** No other information available.

**15. Regulatory Information**

**Regulatory Lists**

**U.S. TSCA Inventory:** All components of this material are on the US TSCA Inventory or exempt from listing on the TSCA Inventory.

**Sara Section 313:** This product contains the following Sara, Title III, Section 313 Chemicals:

<u>Chemical</u>	<u>CAS Number</u>	<u>Percent in Product</u>
Heptane	142-82-5	50 - 70

**IARC Group: 3**

**Regulatory Lists Searched**

This product contains a mixture of one or more components found on the following State List at or above OSHA de minimis quantities

**Health & Safety:** NA

**Environmental:** NA

**International:** NA

**State:** FL, MA, MN, WA

**National Inventories:** NA

**SARA 311 / 312 Categories (For the Chemicals above)**

**Acute:** Yes **Chronic:** No **Fire:** Yes **Pressure:** No **Reactive:** No

**Regulated:** No

**California Proposition 65 Information: Warning!** None in the list

**Canadian WHMIS Classification**

**Heptane**

**Class:** Class B

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

**Canadian Environmental Protection Act (CEPA)**

All reportable chemical substance is listed on the Domestic Substances List (DSL) or otherwise complies with CEPA new substance notification requirements.

**National Pollution Release Inventory (NPRI)**



This product contains the following chemical subject to the reporting requirements of the CEPA subsection 16(1), NPRI.

<b>Chemical</b>	<b>CAS Number</b>	<b>Percent in Product</b>
Heptane	142-82-5	50 - 70

**Other Regulations:** No other information available.

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## 16. OTHER INFORMATION

### Health and Environmental Label Language

All ingredients contained in this product are included on the US EPA Toxic Substances Control Act (TSCA) inventory or exempt from listing on the TSCA inventory. All ingredients contained in this product comply with the requirements of the Canadian Environmental Protection Act (CEPA) and are listed on the Domestic Substance List (DSL) or Non-Domestic Substance List (NDSL)

### MSDS Revisions

**Previous Version Date:** 03/20/02

#### Section

**Old Information:** 8-part version

**New Information:** 16-part version

**Prepared By:** R&D Department

**Date:** 06/10/04

**Disclaimer of Warranty:** The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, CCWI Company must rely upon the hazard evaluation of such components submitted by that product's manufacturer or importer. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use.