MSDS

(Posted 10/08/2012)

The attached MSDS sheets supersede all other MSDS sheets. Please file accordingly.

VENDOR: **HARDCAST A691-00**

STOCK#	MFG#	DESCRIPTION
G80-207	308592	INSTA TACK RED 5G
G80-662	308591	INSTA TACK RED 1G

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Insta-Tack
Synonyms: Solvent-Based Adhesive

Manufacturer/Supplier
Carlisle HVAC Products
900 Hensley Lane
Wylie, TX 75098
Internet Address: www.carlislehvac.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	650 - 70	

This product is not hazardous according OSHA 29 CFR 1910.1200.
Hazards:
Flammable/Combustible Yes **Acute Toxin** No **Chronic Toxin** No **Carcinogen** No
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** 4 **Reactivity** 0

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

Primary Entry Routes: Skin contact, skin absorption, eye contact, inhalation, ingestion.
Target Organs:
Acute Effects
Inhalation: Nose and throat irritation on short term exposure to liquid or vapor.
Eye: Irritation on short term exposure to liquid or vapor.
Skin: Irritation on short term exposure to liquid or vapor. Solvents may be absorbed through the skin in toxic amounts.
Ingestion: Irritation of gastrointestinal tract.
Carcinogenicity: IARC, NTP, and OSHA do not list this product as a carcinogen.
Medical Conditions Aggravated by Long-Term Exposure: Respiratory symptoms associated with pre-existing lung disorders and pre-existing heart disorders may be aggravated by exposure to this material.

Chronic Effects: Overexposure may result in headache, dizziness, fatigue, nausea and loss of consciousness. Chronic exposure may cause reversible kidney and liver damage.

4. FIRST AID MEASURES

Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention immediately.
Eye Contact: Immediately flush eyes with running water for at least 15 minutes. Get medical attention.
Skin Contact: Immediately flush skin with running water and remove contaminated clothing. Wash exposed area with soap and water. Get medical attention.
Ingestion: Do not induce vomiting. Get medical attention immediately.
Note to Physicians: This product contains Heptane, an organic solvent.
Special Precautions/Procedures: Whenever possible, remove the worker from the source of contamination.

5. FIRES AND EXPLOSION INFORMATION

Flammable Properties

Flash Point: -13 deg C/ 8 deg F	**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 4 R 0

Flammability Classification: Division 2. Ignition can occur when this product is exposed to heat, sparks, or flame.
Extinguishing Media: In case of fire, use dry chemical, carbon dioxide, or foam. 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 container and surrounding combustibles. Do not use a solid stream of water because it can scatter and spread the fire.
Unusual Fire or Explosion Hazards: 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 Products: Toxic gases or vapors, such as carbon monoxide, carbon dioxide, or oxides of nitrogen may be released in a fire.
Fire-Fighting Instructions: 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.
Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Spill /Leak Procedures: Remove all sources of ignition. Avoid breathing vapors. Use self-contained breathing apparatus in enclosed area. Ventilate area. Contain and remove with inert absorbent materials and non-sparking tools.

Large Spills:

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Cleanup: Clean-up spill as soon as possible. Collect any excess material with absorbent pads, sand or other inert non-combustible absorbent materials. Place into appropriate waste containers for later disposal. Comply with all laws and regulations.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

7. HANDLING AND STORAGE INFORMATION

Handling Precautions: Use away from all sources of heat, flame, or sparks. Do not smoke while using. Handling equipment must be grounded to prevent sparking. Handle with non-sparking tools. Wash with soap and water before eating or drinking. Launder contaminated clothing. KEEP OUT OF REACH OF CHILDREN.

Storage Requirements: Keep containers cool, dry, and store away from all sources of heat, flame, and sparks. Keep containers tightly closed and store with adequate ventilation. Do not pressurize, cut, weld, or grind the containers or empty containers which may contain residual product and solvent vapors that may ignite explosively.

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 85 ppm NIOSH REL/TWA 440 ppm NIOSH REL/STEL 750 ppm NIOSH IDLH

Engineering Controls: 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.

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Respiratory Protection: Approved respirator must be used if PEL is 400 ppm or above.

Protective Clothing/Equipment: Hycron, Neoprene, or Nitrile glove recommended. Glasses or goggles recommended. Industrial shoes to protect feet from adhesive contact. Protective skin creams or emollients useful.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red liquid	**Vapor Pressure:** 45 mm Hg @ 20ºC
Odor: Strong hydrocarbon odor	**Vapor Density (air=1):** 3.45
Physical state: Liquid	**Percent Volatile by Weight:** 65 - 70
pH: NA	**Volatile Organic Content:** 543 gpl
Evaporation Rate: 3.7	**Molecular Weight:** NA
Boiling Point: 209ºF (98.5 deg C)	**Average Carbon Number:** NA
Melting Point/Freezing Point: -90.5 C	**Viscosity @ 77 F:** 200 cps
Specific Gravity: 0.78	
Pour Point: NA	
Solubility in Water: Negligible	
Octanol / Water Coefficient: Log K_{ow} = NA	

10. STABILITY AND REACTIVITY INFORMATION

Stability: Stable
Polymerization: Will not occur.
Chemical Incompatibilities: Strong oxidizing agents, acids, bases.
Conditions to Avoid: Heat, sparks, and flames; ignition sources.
Hazardous Decomposition Products: Toxic gases or vapors such as carbon monoxide, carbon dioxide, or oxides of nitrogen may be released in a fire.

11. TOXICOLOGICAL INFORMATION (will only print available data)

Toxicity Data:

Eye Effects:
Irritating

Skin Effects:
Irritating

Acute Inhalation Effects: Product toxicity has not been determined. Following are the component data:
Heptane: Human, inhalation, TC_{Lo}: 1000 ppm

Acute Oral Effects: Product toxicity has not been determined. Following are the component data:
Heptane: Rat, ivn, LD_{50}: 222 mg/kg

Chronic Effects: May cause skin sensitization in some people
Carcinogenicity: Not listed in IARC or NTP
Mutagenicity: No evidence
Teratogenicity: No evidence

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not known
Environmental Fate: Not known
Environmental Degradation: Not known
Soil Absorption/Mobility: Not known

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

DOT Transportation Data (49 CFR 172.101):

Shipping Name:
Adhesives, 3, UN1133, III
Shipping Symbols:
Flammable
Hazard Class: 3
ID No.: UN1133
Packing Group: III
Label: red caution label required
Special Provisions (172.102): 149, B52, IB2, T4, TP1, TP8

Packaging Authorizations
a) Exceptions: 173.150
b) Non-bulk Packaging: 173.173
c) Bulk Packaging: 173.242

Quantity Limitations
a) Passenger, Aircraft, or Railcar: 5 l
b) Cargo Aircraft Only: 60 l

Vessel Stowage Requirements
a) Vessel Stowage: B
b) Other: ---

15. REGULATORY INFORMATION

EPA Regulations:

RCRA Hazardous Waste Number (40 CFR 261.33): Not listed

RCRA Hazardous Waste Classification (40 CFR 261): Not classified

TSCA (Toxic Substances Control Act) Status:
TSCA (United States) – The intentional ingredients of this product are listed.

CERCLA Hazardous Substance RQ – 40 CFR 302.4 (a): None listed

CERCLA RQ – 40 CFR 302.4 (b)
Materials with a "listed" RQ may be reportable as an "unlisted hazardous substance". See 40 CFR 302.5 (b).

SARA 311/312 Codes:
Immediate (X) Delayed (X) Fire (X) Reactive ( ) Sudden Release of Pressure ( )

SARA 313 Components (40 CFR 372.65): None listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)

OSHA Regulations:
Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed
OSHA Specifically Regulated Substance (29 CFR 1910): None listed

EPA Accidental Release Prevention (40 CFR 68): None listed

State Regulations:
California Proposition 65:

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the State of California to cause reproductive harm:
None listed

Delaware Air Quality Management List: None listed

Florida Toxic Substance: The following components are listed as a toxic substance by the state of Florida:
Heptane

Massachusetts Hazardous Substances List:

Chemical Name	CAS #	Codes
Heptane	142-82-5	2, 4, 5, 6

Michigan Critical Materials Registry: None listed

Minnesota Hazardous Substance:

Chemical Name	Codes	Hazards	Carcinogen?
Heptane	ANO	--	No

New Jersey RTK Label Information: None listed

New York List of Hazardous Substances: None listed

Pennsylvania RTK Label Information

Chemical Name	CAS #	Code
Heptane	142-82-5	--

Washington Air Contaminant:

TWA (ppm):	None listed
TWA (mg):	None listed
STEL (ppm):	None listed
STEL (mg):	None listed
Ceiling (ppm):	None listed
Ceiling (mg):	None listed
Skin:	None listed

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: 07/01/08
Section
Old Information:
New Information:

Prepared By: R&D Department Date**:** 07/01/11

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