



Material Safety Data Sheet

INSTA-TACK RED LV

MSDS No. 316786

Date of Preparation: 05/01/11

Revision: 001

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Insta-Tack Red LV

Chemical Formula: Mixture

General Use: Insulation Adhesive that meets OTC VOC limit of 250 gpl

Supplier: Carlisle HVAC Products, 900 Hensley Lane, Wylie, TX 75098, Phone: 800-527-7092

Manufacturer: Carlisle SynTec, 1285 Ritner Highway, Carlisle, PA 17013, Phone: 800-479-6832

Emergency Phone Number: CHEMTREC (USA) 800-424-9300

Section 2 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Danger – Highly flammable liquid and vapor

Warning – Causes skin irritation

Warning – Causes serious eye irritation

Warning – May be harmful if swallowed and enters airways

Warning – May cause an allergic skin reaction

Warning – May cause drowsiness or dizziness

HMIS

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PPE[†]

[†]Sec. 8

Potential Health Effects

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.

Section 3 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
Heptane	142-82-5	10-30
Tert Butyl Acetate	540-88-5	40-70
Styrene-Butadiene Polymer	9003-55-08	
Rosin Ester	65997-05-9	

Hazardous Ingredients:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Heptane	500 ppm	500 ppm	400 ppm	500 ppm	85 ppm	440 ppm	750 ppm
Tert Butyl Acetate	None Estab.	None Estab.	200 ppm	None Estab.	None Estab.	None Estab.	None Estab.

Section 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.

Section 5 - Fire-Fighting Measures

Flash Point: 8 °F (-13°C)

Flash Point Method: CC

Autoignition Temperature: 433.4°F (223 °C)

LEL: 1.0% v/v

UEL: 7.0% v/v



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.

Section 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).

Section 7 - Handling and Storage

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.

Section 8 - Exposure Controls / Personal Protection

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. 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: Permeation resistant gloves (that meet ANSI/ISEA 105-2005) 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.

Section 9 - Physical and Chemical Properties

Physical State: Liquid
Appearance and Odor: Red liquid with strong hydrocarbon odor.
Odor Threshold(ppm): Not available
Vapor Pressure: 45 mm Hg at 20 °C (68°F)
Vapor Density (Air=1): 3.45
Specific Gravity (H₂O=1, at 4°C/39°F): 0.89
pH: N/A
VOC: Max 250 gpl

Water Solubility: Negligible
Boiling Point (°C): 98.5 (209.3°F)
Freezing/Melting Point (°C): -90.5 (-130.9°F)
% Volatile: 65-70
Evaporation Rate: 3.7
Flash Point: 8 °F (-13°C)
Flash Point Method: CC
Autoignition Temperature: 433.4°F (223 °C)
LEL: 1.0% v/v
UEL: 7.0% v/v

Section 10 - Stability and Reactivity

Stability: Stable
Possibility of hazardous reactions: 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.

Section 11- Toxicological Information

Eye Effects: Irritating
Skin Effects: Irritating

Toxicity Data:

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, LD₅₀: 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

Section 12 - Ecological Information

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

Section 13 - Disposal Considerations

Disposal: Dispose of in accordance with all local, state, and federal regulations.

Section 14 - Transport 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:** ---

Section 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).
Tert Butyl Acetate = 5,000 RQ

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: Tert Butyl Acetate DRQ: 5000

Massachusetts Hazardous Substances List:

Chemical Name	CAS #	Codes
Heptane	142-82-5	2, 4, 5, 6
Tert Butyl Acetate	540-88-5	2,4,F8

Michigan Critical Materials Registry: None listed

Minnesota Hazardous Substance:

Chemical Name	Codes	Hazards	Carcinogen?
Heptane	ANO	--	No
Tert Butyl Acetate	AO	--	No

New Jersey RTK Label Information: None listed

New York List of Hazardous Substances: Tert Butyl Acetate RQ (Air):5000 RQ (land/Water):1

Pennsylvania RTK Label Information

Chemical Name	CAS #	Code
Heptane	142-82-5	--
Tert Butyl Acetate	540-88-5	E

Washington Air Contaminant:

TWA (ppm):	Tert Butyl Acetate = 200ppm
TWA (mg):	Tert Butyl Acetate = 950 mg/m ³
STEL (ppm):	None listed
STEL (mg):	None listed
Ceiling (ppm):	None listed
Ceiling (mg):	None listed
Skin:	None listed

Section 16 - Other Information

Prepared By: Research & Development

Revision Notes: Original Entry

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