



Safety Data Sheet

Material Name: Insta-Grip (Red)

Product # - 335501 4-1Gal
335502 5 Gal
335507 50 Gal

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

Insta-Grip (Red)

Synonyms

Solvent-based adhesive

Chemical Family

Adhesive

Product Use

Solvent-based insulation adhesive

Restrictions on Use

For industrial use only.

Manufacturer Information

Carlisle HVAC Products
900 Hensley Lane
Wylie, TX 75098
www.carlislehvac.com

Medical Emergency:

CHEMTREC (USA): (800) 424-9300

SDS Assistance – 972-442-6545

Technical Assistance – 888-229-2199

Customer Service – 888-229-0199

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

Flammable Liquids - Category 2

Skin Sensitization - Category 1A

Aspiration Hazard - Category 1

Skin Corrosion/Irritation - Category 2

Serious Eye Damage/Eye Irritation - Category 2A

Germ Cell Mutagenicity - Category 1B

Carcinogenicity - Category 1B

Reproductive Toxicity - Category 1B

Specific Target Organ Toxicity - Single Exposure - Category 1 (central nervous system, kidneys, liver, respiratory system)

Specific Target Organ Toxicity - Single Exposure - Category 2 (nervous system)

Specific Target Organ Toxicity - Single Exposure - Category 3

Specific Target Organ Toxicity - Repeated Exposure - Category 1 (central nervous system, kidneys, nervous system, respiratory system)

Specific Target Organ Toxicity - Repeated Exposure - Category 2 (blood, liver)

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GHS Label Elements

Symbol(s)



Signal Word

Danger

Hazard Statement(s)

Highly flammable liquid and vapor
May cause allergic skin reaction

Precautionary Statement(s)

Prevention

Keep container tightly closed
Keep away from heat/sparks/open flame/hot surfaces - No smoking
Ground/Bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting equipment
Take precautionary measures against static discharge
Use only non-sparking tools
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapours/spray
Contaminated work clothing must not be allowed out of the workplace

Response

In case of fire: Use appropriate media to extinguish
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse
Specific treatment (see label)

Storage

Store in a well-ventilated place. Keep cool

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations

Other Hazards

No additional information available.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| CAS | Component Name | Percent |
|---------|---------------------------|---------|
| Mixture | Styrene butadiene polymer | 7-13 |

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| | | |
|--------------|--------------------------|-------|
| Mixture | Alkylated diphenylamines | 0.1-1 |
| Trade Secret | Hydrocarbon resin | 10-30 |
| 64742-89-8 | Heptane | 30-60 |
| 108-88-3 | Toluene | 1-5 |
| 67-64-1 | Acetone | 10-30 |

Section 4 - FIRST AID MEASURES

Description of Necessary Measures

Call a POISON CENTER or doctor if you feel unwell.

Inhalation

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

Skin

Remove/Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention.

Eyes

Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion

If swallowed, get medical attention.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

Most Important Symptoms/Effects

Acute

May cause mild eye irritation. May cause mild skin irritation. May cause allergic skin reaction. May cause respiratory irritation. May cause drowsiness or dizziness. May cause gastrointestinal irritation.

Delayed

No information on significant adverse effects.

Note to Physicians

Contains organic solvents: heptane, toluene, and acetone.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media



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Suitable Extinguishing Media

Dry chemical, foam or carbon dioxide. Water may be ineffective. Use water spray to keep containers cool.

Unsuitable Extinguishing Media

Do not use high-pressure water streams.

Special Hazards Arising from the Chemical

Highly flammable liquid and vapor. Vapors are heavier than air and may travel a considerable distance to a source of ignition and flashback. Can burn and explode easily when exposed to open flames or high heat.

Hazardous Combustion Products

Oxides of carbon, oxides of nitrogen

Special Protective Equipment and Precautions for Firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

Fire Fighting Measures

Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Stay upwind and keep out of low areas.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

Methods and Materials for Containment and Cleaning Up

Remove all sources of ignition. Avoid breathing vapors. Ventilate affected area. Absorb with earth, sand or other non-combustible material and transfer to container. Use non-sparking tools. Dike for later disposal. Dispose in accordance with all applicable regulations.

Environmental Precautions

Avoid release to the environment.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Keep away from heat/sparks/open flame/hot surfaces - No smoking. Take precautionary measures against static discharge. Ground/Bond container and receiving equipment. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Wash contaminated clothing before reuse. **KEEP OUT OF REACH OF CHILDREN.**

Conditions for Safe Storage, Including any Incompatibilities

Store in a well-ventilated place. Keep cool

Keep dry. Keep away from heat and ignition sources. Keep away from incompatible materials. Do not cut, puncture, or weld on or near this container.

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Incompatible Materials

Strong oxidizing agents, acids, bases

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

| | | |
|----------------|--|--|
| Toluene | 108-88-3 | |
| ACGIH: | 20 ppm TWA | |
| NIOSH: | 100 ppm TWA; 375 mg/m ³ TWA | |
| | 500 ppm IDLH | |
| Europe: | 50 ppm TWA; 192 mg/m ³ TWA | |
| | Possibility of significant uptake through the skin | |
| OSHA (US): | 200 ppm TWA | |
| Mexico: | 50 ppm TWA LMPE-PPT; 188 mg/m ³ TWA LMPE-PPT | |
| | Skin - potential for cutaneous absorption | 150 ppm STEL; 560 mg/m ³ STEL |
| Acetone | 67-64-1 | |
| | 100 ppm STEL; 384 mg/m ³ STEL | |
| ACGIH: | 500 ppm TWA | |
| NIOSH: | 250 ppm TWA; 590 mg/m ³ TWA | 300 ppm Ceiling |
| Europe: | 500 ppm TWA; 1210 mg/m ³ TWA | |
| OSHA (US): | 1000 ppm TWA; 2400 mg/m ³ TWA | |
| Mexico: | 1000 ppm TWA LMPE-PPT; 2400 mg/m ³ TWA LMPE-PPT | |
| | 1260 ppm STEL [LMPE-CT]; 3000 mg/m ³ STEL [LMPE-CT] | |
| | | 750 ppm STEL |

Biological limit value

There are no biological limit values for any of this product's components.

Engineering Controls

Provide local exhaust ventilation system. If necessary, use appropriate local exhaust ventilation to keep exposures below the regulated limits.

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Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection

Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin Protection

Wear chemical resistant clothing and rubber boots when potential for contact with the material exists. Thoroughly clean and dry contaminated clothing before reuse.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection.

Glove Recommendations

Wear appropriate chemical resistant gloves.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|------------------------------|-----------------|---|---------------------------------|
| Appearance | Red liquid | Physical State | liquid |
| Odor | hydrocarbon | Color | Red |
| Odor Threshold | Not available | pH | Not available |
| Melting Point | Not available | Boiling Point | 56 – 110.6 °C (132.8-231.08 °F) |
| Freezing point | Not available | Evaporation Rate | Not available |
| Boiling Point Range | Not available | Flammability (solid, gas) | Not available |
| Autoignition | 230 °C (475 °F) | Flash Point | -20 °C (-4 °F) |
| Lower Explosive Limit | Not available | Decomposition | Not available |
| Upper Explosive Limit | Not available | Vapor Pressure | Not available |
| Vapor Density (air=1) | 3.5 | Specific Gravity (water=1) | 0.80 |
| Water Solubility | negligible | Partition coefficient: n-octanol/water | Not available |
| Viscosity | 1000 cps | Solubility (Other) | hydrocarbons |
| Density | Not available | VOC | 471 g/L |

Other Information

No additional information available.

Section 10 - STABILITY AND REACTIVITY



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Reactivity

No reactivity hazard is expected.

Chemical Stability

Stable under normal conditions of use.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

Incompatible Materials

Strong oxidizing agents, acids, bases

Hazardous decomposition products

Oxides of carbon, oxides of nitrogen

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation

May cause respiratory irritation. May cause drowsiness or dizziness.

Skin Contact

May cause mild skin irritation. May cause allergic skin reaction.

Eye Contact

May cause mild eye irritation.

Ingestion

May cause gastrointestinal irritation.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Styrene butadiene polymer (Mixture)

Oral LD50 Rat 10000 mg/kg

Heptane (64742-89-8)

Oral LD50 Mouse 5000 mg/kg

Dermal LD50 Rabbit 3000 mg/kg

Toluene (108-88-3)

Oral LD50 Rat 2600 mg/kg

Dermal LD50 Rabbit 12,000 mg/kg

Inhalation LC50 Rat 12.5 mg/L 4 h

Acetone (67-64-1)

Inhalation LC50 Rat 50,100 mg/m³ 8 h



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Immediate Effects

May cause allergic skin reaction. May cause gastrointestinal irritation. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Central nervous system damage, kidney damage, liver damage, respiratory system damage, nervous system effects.

Delayed Effects

May cause respiratory irritation, central nervous system, kidneys, nervous system, blood. liver.

Irritation/Corrosivity Data

Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.

Respiratory Sensitization

No data available.

Dermal Sensitization

May cause allergic skin reaction.

Component Carcinogenicity

| | |
|----------------|--|
| Toluene | 108-88-3 |
| ACGIH: | A4 - Not Classifiable as a Human Carcinogen |
| IARC: | Monograph 71 [1999]; Monograph 47 [1989](Group 3 (not classifiable)) |
| | |
| Acetone | 67-64-1 |
| ACGIH: | A4 - Not Classifiable as a Human Carcinogen |
| | |

Germ Cell Mutagenicity

May cause genetic defects.

Reproductive Toxicity

May damage fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure

Central nervous system, kidney, liver, respiratory system. nervous system.

Specific Target Organ Toxicity - Repeated Exposure

Central nervous system, kidney, nervous system, respiratory system, blood, liver.

Aspiration hazard

Aspiration Hazard. Aspiration into the lungs may cause damage. May be fatal if swallowed and enters airways.

Medical Conditions Aggravated by Exposure

No data available.

Additional Data

No additional information available.

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Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity

Avoid release to the environment.

Component Analysis - Aquatic Toxicity

| | |
|----------------------------------|--|
| Styrene butadiene polymer | Mixture |
| Fish: | LC50 96 h Brachydanio rerio <10 mg/L [static] |
| Invertebrate: | EC50 48 h Daphnia magna 0.42 mg/L IUCLID |
| Heptane | 64742-89-8 |
| Algae: | EC50 72 h Pseudokirchneriella subcapitata 4700 mg/L IUCLID |

| | |
|----------------|---|
| Toluene | 108-88-3 |
| Fish: | LC50 96 h Pimephales promelas 15.22 - 19.05 mg/L [flow-through] (1 day old); LC50 96 h Pimephales promelas 12.6 mg/L [static]; LC50 96 h Oncorhynchus mykiss 5.89 - 7.81 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 14.1 - 17.16 mg/L [static]; LC50 96 h Oncorhynchus mykiss 5.8 mg/L [semi-static]; LC50 96 h Lepomis macrochirus 11 - 15 mg/L [static]; LC50 96 h Oryzias latipes 54 mg/L [static]; LC50 96 h Poecilia reticulata 28.2 mg/L [semi-static]; LC50 96 h Poecilia reticulata 50.87 - 70.34 mg/L [static] |
| Algae: | EC50 96 h Pseudokirchneriella subcapitata >433 mg/L IUCLID; EC50 72 h Pseudokirchneriella subcapitata 12.5 mg/L [static] EPA |
| Invertebrate: | EC50 48 h Daphnia magna 5.46 - 9.83 mg/L [static] EPA; EC50 48 h Daphnia magna 11.5 mg/L IUCLID |
| Acetone | 67-64-1 |
| Fish: | LC50 96 h Oncorhynchus mykiss 4.74 - 6.33 mL/L; LC50 96 h Pimephales promelas 6,210 – 8,120 mg/L [static]; LC50 96 h Lepomis macrochirus 8,300 mg/L |
| Invertebrate: | EC50 48 h Daphnia magna 10,294 – 17,704 mg/L [static] EPA; EC50 48 h Daphnia magna 12,600 – 12,700 mg/L IUCLID |



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Persistence and Degradability

No information available for the product.

Bioaccumulative Potential

No information available for the product.

Mobility

No information available for the product.

Other Toxicity

No additional information available.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents/container in accordance with local/regional/national/international regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): D001.

Section 14 - TRANSPORT INFORMATION

US DOT Information:

Shipping Name: ADHESIVES

Hazard Class: 3

UN/NA #: UN1133

Packing Group: II

Required Label(s): 3

IATA Information:

Shipping Name: ADHESIVES

Hazard Class: 3

UN#: UN1133

Packing Group: II

Required Label(s): 3

TDG Information:

Shipping Name: ADHESIVES

Hazard Class: 3

UN#: UN1133

Packing Group: II

Required Label(s):

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations



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This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

| | |
|----------------|--------------------------------------|
| Toluene | 108-88-3 |
| SARA 313: | 1 % de minimis concentration |
| CERCLA: | 1,000 lb final RQ; 454 kg final RQ |
| | |
| Acetone | 67-64-1 |
| CERCLA: | 5,000 lb final RQ; 2,270 kg final RQ |
| | |

SARA Section 311/312 (40 CFR 370 Subparts B and C)

Acute Health: Yes Chronic Health: Yes Fire: Yes Pressure: No Reactivity: No

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

| Component | CAS | CA | MA | MN | NJ | PA |
|---------------------------|----------|-----|-----|-----|-----|-----|
| Toluene | 108-88-3 | Yes | Yes | Yes | Yes | Yes |
| Styrene butadiene polymer | Mixture | No | Yes | Yes | Yes | Yes |
| Acetone | 67-64-1 | Yes | Yes | Yes | Yes | Yes |

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects

| | |
|----------------|--|
| Toluene | 108-88-3 |
| Repro/Dev. Tox | developmental toxicity , initial date 1/1/91 |
| | female reproductive toxicity , initial date 8/7/09 |

Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on SDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

| | |
|---------|----------|
| Toluene | 108-88-3 |
| | 1 % |
| Acetone | 67-64-1 |
| | 1 % |

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Component Analysis - Inventory

Styrene butadiene polymer (Mixture)

| US | CA | EU | AU | PH | JP - ENCS | JP - ISHL | KR - KECI/KECL | KR - TCCA | CN | NZ | MX |
|-----|-----|-----|-----|-----|-----------|-----------|----------------|-----------|-----|-----|----|
| Yes | DSL | EIN | Yes | Yes | Yes | No | Yes | No | Yes | Yes | No |

Alkylated diphenylamines (Mixture)

| US | CA | EU | AU | PH | JP - ENCS | JP - ISHL | KR - KECI/KECL | KR - TCCA | CN | NZ | MX |
|-----|-----|-----|-----|-----|-----------|-----------|----------------|-----------|-----|-----|----|
| Yes | DSL | EIN | Yes | Yes | Yes | No | Yes | No | Yes | Yes | No |

Toluene (108-88-3)

| US | CA | EU | AU | PH | JP - ENCS | JP - ISHL | KR - KECI/KECL | KR - TCCA | CN | NZ | MX |
|-----|-----|-----|-----|-----|-----------|-----------|----------------|-----------|-----|-----|-----|
| Yes | DSL | EIN | Yes | Yes | Yes | No | Yes | No | Yes | Yes | Yes |

Heptane (64742-89-8)

| US | CA | EU | AU | PH | JP - ENCS | JP - ISHL | KR - KECI/KECL | KR - TCCA | CN | NZ | MX |
|-----|-----|-----|-----|-----|-----------|-----------|----------------|-----------|-----|-----|-----|
| Yes | DSL | EIN | Yes | Yes | No | No | Yes | No | Yes | Yes | Yes |

Acetone (67-64-1)

| US | CA | EU | AU | PH | JP - ENCS | JP - ISHL | KR - KECI/KECL | KR - TCCA | CN | NZ | MX |
|-----|-----|-----|-----|-----|-----------|-----------|----------------|-----------|-----|-----|-----|
| Yes | DSL | EIN | Yes | Yes | Yes | No | Yes | No | Yes | Yes | Yes |

Section 16 - OTHER INFORMATION

HMIS Rating

Health: 2 Fire: 3 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

NFPA Ratings

Health: 2 Fire: 3 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Summary of Changes

Revision Date: March 4, 2020

Revision Note: New SDS



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Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

Other Information

Disclaimer:

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. 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.