



Safety Data Sheet

Material Name: Cav-Grip

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

Cav-Grip

Synonyms

Water-based Adhesive

Chemical Family

Adhesive

Product Use

Water based Adhesive

Restrictions on Use

For industrial use only.

Manufacturer Information

Carlisle HVAC Products

900 Hensley Lane

Wylie, TX 75098

www.carlislehvac.com

MSDS Assistance – 972-442-6545

Technical Assistance – 888-229-2199

Customer Service – 888-229-0199

Section 2 - HAZARDS IDENTIFICATION

OSHA Regulatory Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazard Classification: Flammable aerosol

Skin Irritation, Category 3

GHS Label Elements

Symbol(s)





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Signal Word

Danger

Flammable aerosol. Irritant by inhalation, ingestion, skin contact, and eye contact.

Hazard Statement(s)

Flammable aerosol

Contains gas under pressure; may explode if heated

Causes skin irritation

Causes eye irritation

May cause respiratory irritation

May cause drowsiness or dizziness

Precautionary Statement(s)

Prevention

Keep away from heat/sparks/open flames/hot surfaces – no smoking.

Pressurized container: Do not pierce or burn, even after use

Protect from sunlight. Store in a well-ventilated place. Keep container tightly closed

Use personal protective equipment as required.

Avoid breathing dust/fume/gas/mist/vapors/spray

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice or attention.

IF ON SKIN: Wash with plenty of water. If skin irritation occurs, get medical advice or attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Potential Health Effects

Principal Routes of Exposure: Inhalation, skin absorption, eye contact

Acute Effects

Eyes

Contact with eyes may cause irritation. Direct contact with liquid or vapors may cause stinging, tearing, redness, swelling, and eye damage.

Skin

May cause skin irritation and /or dermatitis. Prolonged or repeated contact or exposure to vapors may cause redness, burning, and drying and cracking of the skin.

Inhalation

Breathing high concentrations of vapors may cause irritation of the nose and throat or signs of nervous system depression (i.e. – headache, nausea, drowsiness, dizziness, vomiting, loss of coordination and fatigue).

Ingestion

Ingestion may cause irritation of the digestive tract, nausea, vomiting, and signs of nervous system depression.

Chronic Effects



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Avoid repeated exposure. May cause blood damage. Repeated contact may cause allergic reactions in very susceptible persons.

Aggravated Medical Conditions

Pre-existing eye, skin, or respiratory disorders may be aggravated by exposure to this product.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
79-20-9	Methyl acetate	35-60
110-54-3	Hexane	12-25
124-38-9	CARBON DIOXIDE	1-7
115-10-6	DIMETHYL ETHER	1-7

Section 4 - FIRST AID MEASURES

General Advice

Show this safety data sheet to the doctor in attendance

Inhalation

Move to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen and get immediate medical attention.

Skin

Wash exposed skin with soap and water. Remove contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention.

Eyes

Flush with plenty of cool water for at least 15 minutes, holding eyelids apart for thorough irrigation. If irritation persists, get immediate medical attention.

Ingestion

Do NOT induce vomiting. If swallowed, get medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.

Note to Physicians

Treat symptomatically



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Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemicals, foam. Water may be helpful in keeping adjacent containers cool; avoid spreading the liquid with water used for cooling. Water-based sprinkler systems may help contain larger fires.

Special Hazards Arising from the Chemical

Closed containers may rupture if exposed to fire or extreme heat. May produce toxic fumes if burning.

Special Protective Equipment and Precautions for Firefighters

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

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Remove all sources of ignition.

Methods and Materials for Containment and Cleaning Up

Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Use only in area provided with appropriate exhaust ventilation. Do not breathe vapors or spray mist. Wear appropriate personal protective equipment. Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from open flames, hot surfaces and sources of ignition.

Conditions for Safe Storage, Including any Incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from extremes of heat or cold. Keep in properly labeled containers.



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Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Methyl acetate	75-20-9
ACGIH TLV:	250
OSHA PEL:	Not established
Hexane	110-54-3
ACGIH TLV:	50
OSHA PEL:	500
CARBON DIOXIDE	124-38-9
ACGIH TLV:	30000
OSHA PEL:	5000
DIMETHYL ETHER	115-10-6
OSHA PEL:	Not Established
ACGIH TLV:	1000

Engineering Controls

Ensure adequate ventilation, especially in confined areas.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection

Wear safety glasses or safety goggles, or full faceshield.



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Skin Protection

Protective gloves and impervious clothing.

Respiratory Protection

In operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions.

Hygiene Practices

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling. When using, do not eat, drink or smoke.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Not available	pH	Not available
Odor	Not available	Boiling Point	-320.00°F [-196°C]
Odor Threshold	Not available	Evaporation Rate	Faster than nBuAc
Autoignition	Not data	Flammability (solid, gas)	Not data
Bulk Density (lb/gal)	7.34	Flash Point	-42.00°F [-41°C]
Vapor Density (air=1)	Heavier than air	Decomposition	Not data
Water Solubility	Insoluble	Vapor Pressure	Not available
Viscosity	Not available	Specific Gravity (water=1)	0.881
VOC	~60 g/L (water excluded) ~30 g/L	Non-Volatile (wt%)	33.92
Upper Flammability Limit	12.9	Lower Flammability Limit	2.45

Other Information

No additional information available.

Section 10 - STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions of use. Hazardous polymerization does not occur.

Possibility of Hazardous Reactions

None under normal conditions of use.



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Conditions to Avoid

Keep away from open flames, hot surfaces, static electricity and sources of ignition. Avoid extremes of heat or cold.

Incompatible Materials

Strong acids, strong bases, strong oxidizing agents, alkali metals, halogens

Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide, carbon dioxide, smoke, and other unidentified organic compounds may be formed during combustion.

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation, skin absorption, eye contact

Acute and Chronic Toxicity

No data

Irritation/Corrosivity Data

No data

Sensitization

No data

Corrosivity

No data

Mutagenicity

No data

Reproductive Toxicity

No data

Specific Target Organ Toxicity - Single Exposure

No data

Specific Target Organ Toxicity - Repeated Exposure

No data

Aspiration hazard

No data

Section 12 - ECOLOGICAL INFORMATION

Aquatic Toxicity

Acute and prolonged Toxicity to Fish: No data



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Acute Toxicity to Aquatic Invertebrates: No data

Environmental Fate and Pathways: No data

Persistence and Degradability

No data.

Bioaccumulative Potential

No data

Mobility in soil

No data

Other adverse effects

No data

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of in accordance with all applicable local, state, and federal regulations. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

Section 14 - TRANSPORT INFORMATION

US DOT Information:

Proper shipping name: CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (DIMETHYL ETHER, NITROGEN)

Hazard Class: 2.1

UN#: UN3501

ICAO/IATA: Contact the preparer for further information.

IMDG/MO Information: Contact the preparer for further information.

Section 15 - REGULATORY INFORMATION

US TSCA: Yes – All components are listed or exempt

U.S. Federal Regulations



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SARA Section 313 : Section 313 OF Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). If listed below, this product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Designation	Cas No.	% Weight
Hexane	110-54-3	12-25

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS) (see 40 CFR 61)

Chemical Designation	Cas No.	% Weight
Hexane	110-54-3	12-25

State Regulations

California Proposition 65

This product contains the following substance(s) known to the state of California to cause cancer or reproductive harm:None listed

Section 16 - OTHER INFORMATION

NFPA Ratings

Health: 2 Fire: 3 Reactivity: 0 B

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

Summary of Changes

New SDS: May 21, 2015

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™



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- 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. 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.