
Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name: CAV-GRIP 3

Product Use: Adhesive

Manufacturer Information

Carlisle SynTec Systems
1285 Ritner Highway
Carlisle, PA 17013
USA
Phone: +1-800-479-6832
Emergency Phone #: +1-800-424-9300 (CHEMTREC)

Section 2 - HAZARDS IDENTIFICATION

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

Acute Toxicity - Inhalation: Category 5
Skin Irritation: Category 2
Eye Damage: Category 2A
Reproductive Toxicity: Category 2
STOT Repeated Exposure: Category 2
Aspiration: Category 1
Flammable Liquid: Category 2
Aquatic Hazard – Acute: Category 1
Aquatic Hazard – Long-term: Category 1
Extremely Flammable Aerosol: Category 1

GHS Label Elements

Symbol(s)



Signal Word

Danger

Hazard Statement(s)

May cause respiratory irritation.
Causes skin irritation.
Causes serious eye irritation.
Suspected of damaging fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.
Highly flammable liquid and vapor.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.



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Contains gas under pressure; may explode if heated

Precautionary Statement(s)

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

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

Avoid release to the environment.

Use personal protective equipment as required.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing.

POTENTIAL HEALTH EFFECTS

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

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 | 22 – 40 |
| 142-82-5 | Heptane | 12 – 25 |
| 68476-86-8 | Liquefied petroleum gas | 5 – 15 |
| 115-10-6 | Dimethyl ether | 5 – 15 |
| 124-38-9 | Carbon dioxide | 1 – 7 |
| 108-88-3 | Toluene | 1 – 7 |

Any remaining ingredients (to comprise 100% of the product) should be considered a proprietary blend of non-hazardous substances, or materials below threshold reporting limits.

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Section 4 - FIRST AID MEASURES

GENERAL ADVICE: Show this safety Data sheet to the doctor in attendance.

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.

SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash affected areas thoroughly with mild soap. If skin irritation persists, get immediate medical attention.

INGESTION: Do not induce vomiting – seek immediate medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.

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.

NOTES TO PHYSICIAN: Treat symptomatically

Section 5 - FIRE FIGHTING MEASURES

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.

Specific 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: Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Remove all sources of ignition.

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.

Methods for Clean-up

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

Other Information

None known.

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Section 7 - HANDLING AND STORAGE

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.

Storage

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.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

| Hazardous Components | OSHA PEL | ACGIH TLV |
|-------------------------|-----------------|-----------|
| Methyl acetate | 200 | 200 |
| Heptane | 500 | 400 |
| Liquefied petroleum gas | Not established | 1000 |
| Dimethyl ether | Not established | 1000 |
| Carbon dioxide | 5000 | 5000 |
| Toluene | 200 | 20 |

Engineering Controls

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face protection

Safety goggles or glasses, or full face shield.

Skin Protection

Protective gloves and impervious clothing. Consult the glove/clothing manufacturer for proper selection of materials.

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.

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Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--|-----------------------------|--|-------------------|
| Appearance | Green liquid | Physical State | liquid |
| Odor | Solvent odor | Color | Green |
| VOC (g/L) | 194 | VOC (g/L) less exempt & water | 248 |
| Non-volatile (wt%) | 30.05 | Specific Gravity (g/l) | 0.825 |
| Bulk Density (lb/gal) | 6.87 | Solubility in Water | Insoluble |
| pH | Not available | Viscosity | Not available |
| Evaporation rate | Faster than nBuAc | Vapor Pressure (mmHg) | Not available |
| Vapor Density | Heavier than air | Boiling Point | -24.0°F [-31.1°C] |
| Freezing/Melting Point | Not determined | Flammability (solids) | No data |
| Partition Coefficient (n-octonal/water) | No data | Auto-ignition Temp | No data |
| Decomposition Temp | No data | Explosive Properties | No data |
| Oxidizing Properties | No data | Flash Point | 156.0°F [104.4°C] |
| Flammable Limits | Lower: 2.23 Upper: 11.90 | | |

Section 10 - STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions. Hazardous polymerization does not occur.

Conditions to Avoid

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

Materials to Avoid

Incompatible with strong acids and bases, alkali metals, halogens, and strong oxidizing agents.

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.

Possibility of Hazardous Reactions

None under normal conditions of use.



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Section 11 - TOXICOLOGICAL INFORMATION

| | | | |
|-------------------------|------------|--------------------------|--|
| Reproductive Toxicity: | Category 2 | Acute Toxicity: | Oral: No data; Skin: No data; Inhalation: Category 5 |
| Mutagenicity: | No data | Irritation: | Skin: Category 2 |
| STOT-single exposure: | No data | Corrosivity: | No data |
| STOT-repeated exposure: | Category 2 | Sensitization: | Respiratory: No data; Skin: No data |
| Aspiration Hazard: | Category 1 | Typical Routes of Entry: | Inhalation, skin absorption, eye contact |

Chronic Toxicity / Carcinogenicity

No known classifications.

Section 12 - ECOLOGICAL INFORMATION

| | | |
|--------------------------------|--|---------|
| Aquatic Toxicity: | Acute and prolonged Toxicity to Fish: | No data |
| | 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

Waste 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:

Shipping Name: CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (PROPANE, BUTANE)

Hazard Class: 2.1

UN/NA #: UN3501

ICAO / IATA: Contact the preparer for further information.

IMDG / IMO: Contact the preparer for further information.

Section 15 - REGULATORY INFORMATION

US TSCA: Yes – All components are listed or exempt

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

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SARA 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 % |
|----------------------|----------|----------|
| Toluene | 108-88-3 | 1 – 7% |

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

| Chemical Designation | Cas No. | Weight % |
|----------------------|----------|----------|
| Toluene | 108-88-3 | 1 – 7% |

State Regulations

California Proposition 65

This product contains the following substance(s) known to the state of California to cause cancer or reproductive harm:

| Chemical Name | CAS Number |
|---------------|------------|
| Toluene | 108-88-3 |
| Ethylbenzene | 100-41-4 |

Section 16 - OTHER INFORMATION

HMIS Rating

Health: 2 Fire: 3 Reactivity: 0 Personal Protection B

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

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.



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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.