



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Cav Grip
Synonyms: Solvent - based Adhesive

Manufacturer/Supplier
 Carlisle Coatings & Waterproofing Incorporated
 900 Hensley Lane
 Wylie, TX 75098
Internet Address: <http://www.ccwcompanies.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

SECTION 2 - HAZARDOUS INGREDIENTS/COMPOSITION INFORMATION

INGREDIENT	% BY WGT	CAS NO.	ALLOWABLE EXPOSURE LEVEL PPM MG/CU.M.	SARA 313 SKIN	VP mm Hg @ 20 DEG.C
CARBON DIOXIDE CO2		124-38-9	TLV-TWA 5000 OSHA-PEL 5000		
NITROGEN		7727-37-9	NONE ESTABLISHED		
METHYL ACETATE		79-20-9	TLV-TWA 200/606 TLV-STEL 250/760 OSHA -PEL 200/610 OSHA -STEL 250/760 LFL 3.1 UFL 16.0		
HEXANE	10	110-54-3	TLV-TWA 50/180 OSHA -PEL 500/1800 LFL 1.0 UFL 8.0	SKIN	X 120
HEXANE ISOMERS		HM2116	TLV-TWA 500/1800 TLV-STEL 1000/3600		
METHYLCYCLOPENTANE		96-37-7	NONE ESTABLISHED		
STYRENE, 1,3 BUTADIE NE POLYMER		9003-55-8	NONE ESTABLISHED		

LFL = LOWER FLAMMABILITY LIMIT PERCENT
 UFL = UPPER FLAMMABILITY LIMIT PERCENT
 SKIN = SKIN ABSORPTION MUST BE CONSIDERED AS A ROUTE OF EXPOSURE
 C-CEILING= ALLOW. EXPOSURE LEVEL SHOULD NOT BE EXCEEDED FOR ANY TIME PERIOD
 MFR = MANUFACTURER RECOMMENDED EXPOSURE LIMIT
 STEL = SHORT TERM EXPOSURE LIMIT
 X-SARA 313 = CHEMICAL IS SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF S.A.R.A. 40 CFR PART 372

SECTION 3 - HAZARDS IDENTIFICATION

Ratings

Health 2 Flammability 4 Reactivity 0

EFFECTS OF SHORT TERM OVEREXPOSURE

SWALLOWING

Can cause gastrointestinal irritation, nausea, and vomiting. Aspiration of material into lung may cause chemical pneumonitis which can be fatal.

INHALATION

May cause nose or throat irritation. High concentrations may cause acute central nervous system depression characterized by headaches, dizziness, nausea and confusion.

EYE

May cause eye irritation.

SKIN

Skin contact with material exiting cylinder may cause frostbite. Eye and respiratory system contact will cause irritation and possible thermal (cold frostbite) tissue damage.

May cause defatting and irritation of the skin.

EFFECTS OF REPEATED OVEREXPOSURE

Repeated overexposure to n-hexane may cause damage to the peripheral nervous system.

Exposure to Methyl Ethyl Ketone may enhance the neurotoxicity of n-Hexane and Methyl-n-Butyl Ketone.

This synergistic effect has resulted in peripheral neuropathy in humans. Reports have associated prolonged and repeated occupational overexposure to solvents with permanent brain and nervous system damage.

Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH.

None currently known

SECTION 4 - FIRST-AID MEASURES

SWALLOWING

If swallowed do not induce vomiting. (Never give anything by mouth to an unconscious person). Call Poison Control Center, Hospital Emergency Room, or Physician immediately.

INHALATION

Remove to fresh air immediately. If breathing has stopped, give artificial respiration. Keep warm and quiet. Get medical attention immediately.

EYE

Flush with large amounts of water, lifting upper and lower lids occasionally. Continue for at least 15 minutes. Get medical attention immediately.

SKIN

Remove contaminated clothing. Wash affected area with soap and water. Obtain medical attention if irritation persists.

NOTES TO PHYSICIAN

Any treatment that might be required for overexposure should be directed at the control of symptoms and the clinical conditions.

SECTION 5 - FIRE-FIGHTING MEASURES

NFPA FLAMMABILITY CLASSIFICATION

FLASHPOINT -15 DEG.F, SFCC (-26 DEG.C.)

EXTINGUISHING MEDIA

Use NFPA Class B Fire extinguishers (carbon dioxide, all purpose dry chemical or alcohol foam) designed to extinguish flammable liquid fires. Polymer foam is preferred for large fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS

During emergency conditions, overexposure to decomposition products may cause a health hazard.

Symptoms may not be immediately apparent. Obtain medical attention.

DANGER! EXTREMELY FLAMMABLE. VAPORS MAY CAUSE FLASH FIRE.

SPECIAL FIRE FIGHTING PROCEDURES

Firefighters should wear self-contained breathing apparatus. Water may be ineffective, but may be used to cool exposed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Refer to Section 8 and don respirators, eye, hand, and body protection appropriate for the size of the spill and the exposures encountered. Keep spectators away. Eliminate all ignition sources (flames, hot surfaces, and sources of electrical, static or frictional sparks). Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered metal containers for recovery or disposal, or remove with inert absorbent. Use only non-sparking tools. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.

WASTE DISPOSAL

Dispose in accordance with federal, state and local regulations.

RCRA CLASSIFICATION

This product, if discarded directly, would be classified a hazardous waste based on its ignitability characteristic, i.e. has a flash point of 140 deg. F.(60 deg.C) or less. The proper RCRA classification would be D001.

ENVIRONMENTAL HAZARDS

None known

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

DO NOT INCINERATE, PUNCTURE OR MISHANDLE CONTAINER VALVES OR HOSES. ALL ATTACHMENTS MUST BE IN GOOD CONDITION AND PROPERLY DESIGNED FOR USE WITH THIS CONTAINER.

Do not store above 115 deg.F (46 deg.C) store large quantities in compliance with OSHA 29CFR1910.106. Exposure to direct sunlight or other sources of heat may cause container to rupture or explode.

OTHER PRECAUTIONS

If cylinder is returnable do not dispose. Read canister/cylinder label for additional information. Return via authorized agent, ensuring the canister/cylinder is properly labeled with valve outlet, plugs or caps secured and valve protection in place. Protect cylinders from physical damage. Non-returnable cylinders/canisters must be disposed of in accordance with local, state and federal regulations. Store in cool dry, well ventilated area. Do not puncture or incinerate. Do not spray near flame or hot surfaces. Avoid breathing vapor or spray mist. Keep out of reach of children.

SECTION 8 - EXPOSURE CONTROLS

RESPIRATORY PROTECTION

The absence of heat or aerosol generation reduces the likelihood of the need for respiratory protection. Since conditions of use vary, it is the responsibility of each user of this product to evaluate potential exposures within their facility. If such conditions indicate the need for respiratory protection, proper selection depends upon many factors including duration and level of exposure and conditions of use. In

general, exposure to the substances listed in Section II of this MSDS may not require the use of respiratory protection if exposures are maintained below recommended exposure limits. This can be accomplished by the use of engineering controls. One example of such controls would be the use of properly designed ventilation systems. If a respirator is to be worn, a NIOSH approved respirator with an appropriate protection factor should be provided. If exposures are determined to be excessive, or if the use of respirators is desired a positive pressure supplied air respirator will provide adequate protection. The use of air purifying respirators may also be suitable in some situations. Please refer to the American Industrial Hygiene Association Journal J. 47(7):393-398 (1986). Consult a qualified occupational health and safety professional regarding conditions of use within your facility. Refer to OSHA 29 CFR 1910.134 "Respiratory Protection" and Respiratory Protection: A Manual And Guideline, American Industrial Hygiene Association."

VENTILATION

Use general dilution and local exhaust ventilation in sufficient volume and pattern to keep concentrations of hazardous ingredients listed in Section II below the lowest exposure limit stated. Fumes emitted while baking this product must be properly vented. Refer to "Industrial Ventilation a Manual of Recommended Practice"-ACGIH.

HAND PROTECTION

Solvent impermeable gloves are required for immediate or prolonged contact. Refer to glove manufacturer's recommendations and specifications.

EYE PROTECTION

Wear chemical splash goggles (ANSI Z87.1 or equivalent) and face shield.

OTHER PROTECTIVE EQUIPMENT

Eyewash facility, safety shower.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE: -109 DEG.F. (-78 DEG.C.) TO 159 DEG.F.(71 DEG.C.)

VAPOR DENSITY: Heavier than air. **% VOLATILE BY VOLUME:** 25

EVAPORATION RATE: Slower than Diethyl Ether

VOC: .51 lb/gal less water & NPRS* **61 g/l less water CALCULATED**

WEIGHT LB./GAL.: 7.5 **VOC .59 lb/gal solids** **71 g/l solids CALCULATED**

SPECIFIC GRAVITY: 0.9

All Physical data determined at 68 DEG. F. (20 DEG. C.) 760 mm Hg

- Negligibly Photochemically Reactive Materials

SECTION 10 - STABILITY AND REACTIVITY

STABILITY

Normally stable.

CONDITIONS TO AVOID

Avoid excessive heat (>115 F (46 C) and sources of ignition.

INCOMPATIBILITY (MATERIALS TO AVOID)

oxidizers, reducers

HAZARDOUS DECOMPOSITION PRODUCTS

Burning, including when heated by welding or cutting, will produce smoke, carbon monoxide and carbon dioxide, oxides of nitrogen, hydrogen cyanide, and various hydrocarbons

HAZARDOUS POLYMERIZATION

Will not occur

CONDITIONS TO AVOID

None known

SECTION 11 - TOXICOLOGICAL INFORMATION

No information available.

SECTION 12 - ECOLOGICAL INFORMATION

No information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

See Section 6.

SECTION 14 - TRANSPORT INFORMATION

MODE	PROPER SHIPPING NAME	CLASS I.D.# PKG GRP
IATA		
MODE	PROPER SHIPPING NAME	CLASS I.D.# PKG GRP
(AIR)	LIMITED TO SMALL QUANTITIES ONLY CAN NOT BE SHIPPED IN THIS CONFIGURATION	

DOT (HM-181)

(DOMESTIC SURFACE) COMPRESSED GAS, FLAMMABLE, NOS 2.1 UN1954
(METHYL ACETATE, HEXANE)
NAERG: 115

IMDG CODE

(OCEAN) FORBIDDEN

NOTE! The assignment of Proper Shipping Names is in part a function of the size of the product container and the transport mode. For example, the Proper Shipping Name for a bulk container can differ significantly from the Proper Shipping Name for the same product packaged in a non-bulk container. This can also be true for products shipped via different modes of transportation (i.e. ground, air, ocean). The descriptions provided above are intended to provide some guidance. However, these descriptions may not apply to your package size or mode of shipment. The U.S. Code of Federal Regulations, 49 CFR - Transportation, regulations, and the policies established by some transporters, require that the shipper properly classify and assign a Proper Shipping Name, and label, mark and package the material properly. Therefore, the user of this information is cautioned to consult with applicable regulations and with qualified advisors prior to the repackaging and or reshipment of this or other any product which contain this product.

SECTION 15 - REGULATORY INFORMATION

All ingredients in this product are listed on the US TSCA Inventory.

INGREDIENT	CAS NO.	DETAIL INVENTORY LIST INFORMATION
CARBON DIOXIDE	124-38-9	DSL
CO2		
NITROGEN	7727-37-9	DSL
METHYL ACETATE	79-20-9	TSCA(12b) TSCA(4) TSCA(8a PAIR) TSCA(8d)
HEXANE	110-54-3	DSL TSCA(12b) TSCA(4)

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Supersedes: 07/01/08

HEXANE ISOMERS HM2116
METHYLCYCLOPENTANE 96-37-7

DSL
DSL
TSCA(12b)
TSCA(4)
TSCA(8a PAIR)
TSCA(8d)
TSCA(8d term)
DSL
DSL

STYRENE, 1,3 BUTADIE 9003-55-8
NE POLYMER

DETAIL INVENTORY LIST DESCRIPTION
TSCA/Toxic Substances Control Act
DETAIL INVENTORY LIST DESCRIPTION
(12b)Notices of Export
(4)Test Rules
(8a PAIR)Preliminary Assessment Information Rules
(8d)Health and Safety Reporting Rules
(8d term)Health and Safety Reporting Rules termination
DSL/Canadian Domestic Substance List

SECTION 16 - OTHER INFORMATION

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, CCWI does not assume responsibility for any results obtained by persons over whose methods CCWI has no control. It is the user's responsibility to determine the suitability of CCWI's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of CCWI products. In light of the foregoing, CCWI specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of CCWI products. CCWI further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

MSDS Revisions

Previous Version Date: 02/13/07

Section

Old Information:

New Information: 16- part MSDS version with updated Shipping Information

Prepared By: R&D Department

Date: 11/11/08