

**MATERIAL SAFETY DATA SHEET****Grip Glue 15-0003****07/2014****1. PRODUCT AND COMPANY IDENTIFICATION****Product Name:** Grip Glue 15-0003**Product Type:** Adhesive**Company :** Motion Pro, Inc.
867 American Street
San Carlos, CA 94070**Contact Information:** Telephone: 650-594-9600
Emergency Telephone: 800-255-3924
Web Site: www.motionpro.com**2. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW****Physical state:** Liquid
Color: Clear
Odor: Ether-like**HMIS:**
HEALTH: 3*
FLAMMABILITY: 0
PHYSICAL HAZARD: 0
Personal Protection: See Section 8**WARNING:** MAY CAUSE EYE, AND SKIN IRRITATION.
MAY CAUSE ALLERGIC SKIN REACTION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF SWALLOWED.**Primary Routes of Entry:**

Skin, Inhalation, Eyes

Signs and Symptoms of Exposure:**Inhalation:**

Dizziness may occur at 200 ppm; Progressively higher levels can cause irritation of the respiratory tract, drunkenness, nausea, uncoordination, unconsciousness and even asphyxiation in confined areas. Overexposure can cause central nervous system damage.

Skin contact:

Irritation can develop following repeated and/or prolonged contact and may cause drying or flaking of skin. A single prolonged exposure is not likely to result in material being absorbed through the skin in harmful amounts. The LD50 of Tetrachloroethylene for skin absorption in rabbits is >10,000 mg/kg.

Eye contact:

Product in eyes can result in discomfort, pain and irritation. Vapors may irritate the eyes at about 100 ppm.

Ingestion:

Single dose oral toxicity is low. Ingestion may result in irritation of the mouth and gastrointestinal tract along with other effects as listed for inhalation. Vomiting and subsequent aspiration into the lungs may lead to injury of other body systems

Existing Conditions Aggravated by Exposure:

Increased rate of spontaneously occurring malignant tumors in certain lab rats and mice. Prolonged exposure above OSHA permissible limits may result in liver and kidney damage. Pre-existing eye, skin, and lung conditions.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Tetrachloroethylene	70-100	170 mg/m ³ TWA 685 mg/m ³ TWA STEL	100 ppm TWA 200 ppm Ceiling	None

**4. FIRST AID MEASURES**

Ingestion:	Do not induce vomiting. Call physician. Give 1 or 2 glasses of water to drink.
Inhalation:	Remove to fresh air. If breathing difficulty, give oxygen. Give artificial resuscitation if not breathing.
Skin Contact:	Wipe from skin and wash with soap and water. If irritation develops, seek medical attention.
Eye Contact:	Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash Point (TCC):	None
Recommended Extinguishing Agents:	Carbon dioxide, foam, dry chemical, water fog
Special Firefighting Procedures:	None
Hazardous Combustion Products:	Not available
Unusual Fire or Explosion Hazards:	Cool fire exposed containers with water. If storage containers are exposed to excessive heat, over-pressurization can result in container rupture. Product is non-flammable and non-explosive under normal conditions of use. At high temperatures, product decomposed to give off hydrochloric acid as gas plus other toxic and irritating vapors such as phosgene and chlorine.
Flammable/Explosive Limits – lower %:	Not available
Flammable/Explosive Limits – upper %:	Not available

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear proper protective equipment
Measures for Environmental Protection:	Do not allow entry into drains or surface waters
Clean-up Measures:	Small leaks: Wipe up, or soak up immediately with inert material. Remove to outdoors. Large spills: Evacuate area; contain liquid; transfer to closed metal containers; keep out of water supply.

7. HANDLING AND STORAGE

Handling:	Do not enter confined spaces unless special breathing apparatus is used and an observer is present.
Storage:	Store between 46° and 82°F unless otherwise labeled to preserve shelf life. In large quantities, lethal concentrations may exist in areas with poor ventilation. Do not use in poorly ventilated or confined spaces without proper respiratory protection. Vapors will collect in low places such as pits, storage tanks and other confined spaces.

**8. EXPOSURE CONTROLS, PERSONAL PROTECTION**

Eye/Face Protection:	Safety glasses or goggles with side shields
Skin Protection:	Use rubber or plastic gloves, and protective clothing as necessary
Respiratory Protection:	Use NIOSH approved respirator if there is a potential to exceed exposure limits
Engineering Controls:	Adequate ventilation should be provided to keep vapor concentration below acceptable exposure guidelines. Use only with adequate ventilation. Avoid breathing vapors. If ventilation is inadequate to maintain atmospheric levels below the TLV, wear a NIOSH approved air purifying organic cartridge respirator. For emergency and overexposure, use an approved positive pressure self-contained breathing apparatus. In confined or poorly ventilated areas, use an approved pressure self-contained breathing apparatus.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear
Odor:	Ether-like
Vapor Pressure:	13 mm Hg at 68°C
Vapor Density:	Heavier than air
Solubility in Water:	Negligible
Specific Gravity:	1.38
Boiling Point:	> 250°F
Volatile Organic Compound Content	0.01 lb/gl
Evaporation Rate (Ether = 1)	Slower than ether
pH:	Does not apply

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Hazardous Decomposition Products:	Toxic / irritating gases and fumes. Hydrogen chloride, CO ₂ , simple hydrocarbons, phosgene and chlorine.
Incompatibility:	Strong acids and oxidizing materials. Avoid mixing with caustic soda or potash.

11. TOXICOLOGICAL INFORMATION

Ingredients:	Literature Referenced Target Organ and Other Health Effects				Carcinogen Status		
	NTP	IARC	OSHA				
Tetrachloroethylene	CNS	KID	LIV	PC	YES	YES	NO

Abbreviations:

CNS	Central Nervous System	KID	Kidney	LIV	Liver	PC	Potential Carcinogen
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**12. ECOLOGICAL INFORMATION**

Ecological Information: Not available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Dispose of according to Federal, State and Local regulations.

EPA Hazardous Waste Number: Cured material is not an RCRA hazardous waste

14. TRANSPORTATION INFORMATION**U.S. Dept. of Transportation Ground (49 CFR):**

Proper Shipping Name Tetrachloroethylene mixture

Hazard Class or Division: 6.1

Identification Number UN 1897

Packing group: III

Exceptions: Limited quantities (1 gallon or less): Consumer commodity ORM-D

International Air Transportation (ICAO/IATA):

Proper Shipping Name: Tetrachloroethylene mixture

Hazard Class or Division: 6.1

Identification Number UN 1897

Packing group: III

Exceptions: Limited quantities (1 gallon or less): Consumer commodity ORM-D

WaterTransportation (IMO/IMDG):

Proper Shipping Name: Tetrachloroethylene mixture

Hazard Class or Division: 6.1

Identification Number UN 1897

Packing group: III

Exceptions: Limited quantities (1 gallon or less): Consumer commodity ORM-D

Marine pollutant: Yes

15. REGULATORY INFORMATION**United States Regulatory Information**

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory

CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372): Tetrachloroethylene

California Proposition 65: This product contains a chemical known to the State of California to cause cancer.

**16. OTHER INFORMATION****Prepared By:**

C. Alt

Title:

Director - Quality & Development

DISCLAIMER: Some of the information presented is from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.