



MATERIAL SAFETY DATA SHEET

FILE NO.: G34V1
MSDS DATE: 11/30/2009
MSDS No.: G4113009

Product: G4

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: G4 Carpentry Adhesive
PRODUCT CODES: G4QT1, G4GL1, G4GL5
COMPANY NAME: SmartAdhesives LLC
ADDRESS: San Francisco, CA 94129

EMERGENCY PHONE: Chemtrec: 1-800-424-9300

PRODUCT USE: Wood Adhesive
ISSUE DATE: 11-30-2009

SECTION 2: INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT:

This material does not contain any hazardous substances at or above OSHA and WHMIS reportable levels.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Normal physical form - liquid

IMMEDIATE HEALTH AND ENVIRONMENTAL HAZARDS

While this material is not considered as hazardous under OSHA regulations, the MSDS contains valuable information concerning the safe handling and proper use of the product.

POTENTIAL HEALTH EFFECTS No known physical hazards.

EYE CONTACT: May cause eye irritation

SKIN CONTACT: No known acute skin effects.

INHALATION: No known acute toxic respiratory tract effects.

INGESTION: Not expected to be ingested under normal conditions of use.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE

Not established.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

None.

CARCINOGENICITY

OSHA: NO

NTP: NO

IARC: NO

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. If symptoms occur, seek medical advice.

SKIN: Wash skin with mild soap and plenty of warm water. If symptoms occur, seek

medical advice.

INGESTION: Do not induce vomiting unless directed to do so by medical personnel. If conscious, drink two glasses of water. Never give anything by mouth to an unconscious person. If symptoms occur, seek medical attention.

INHALATION: Move to fresh air. No special measures required.

SECTION 5: FIRE FIGHTING MEASURES

FLAMMABILITY: Material does not burn. Dried material is combustible.

FLAMMABLE LIMITS UPPER: not applicable
(% BY VOLUME) LOWER: not applicable

FLASH POINT: not applicable

AUTOIGNITION TEMP: not applicable

HMIS HAZARD CLASSIFICATION

HEALTH: 1 **FLAMMABILITY:** 0 **PHYSICAL HAZARD:** 0

EXTINGUISHING MEDIA: Use water fog, dry chemical, carbon dioxide, foam or water. Water may be used to cool adjacent tanks and structures.

SPECIAL FIRE FIGHTING PROCEDURES:
Wear self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
None

HAZARDOUS DECOMPOSITION PRODUCTS:
see Section 10

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

No action shall be taken involving any personal risk or without suitable training. Ventilate the area. Self contained breathing apparatus may be required. If material is released, indicate risk of slipping. Put on appropriate personal protective equipment (see section 8). Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Product imparts a milky white color to contaminated water. Foaming may result. Sewage treatment plants may not be able to remove white color from water.

Neutralize with dilute solution of sodium carbonate and soak up with inert absorbent material such as sand, silica gel, acid binder, sawdust, or universal binder. Clean up area with plenty of water. Dispose of cleansing water and all material in accordance with Federal, State, and local regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face with soap and water before eating, drinking and smoking.

Spilled material increases risk of slipping. No special precautions against fire and explosion are required. Use only in well ventilated area. Avoid contact with eyes and skin.

STORAGE: Do not store below 32°F (0°C). Keep from freezing. Store in closed containers and minimize exposure to air. Prevent inoculation with microorganisms. Store in accordance with local regulations.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**ENGINEERING CONTROLS**

VENTILATION : Use with adequate ventilation.

RESPIRATORY PROTECTION: Not normally required.

EYE PROTECTION: Avoid contact with eyes. Use safety glasses with side shields or indirect vented goggles.

SKIN PROTECTION: Any liquid tight vinyl or rubber gloves.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

If splashing might occur, wear protective clothing such as an apron, lab coat, coveralls or other appropriate clothing to cover skin. Facilities storing or utilizing this material should be equipped with eye wash fountains.

EXPOSURE GUIDELINES: Formaldehyde concentrations in the workplace air may exceed exposure limit under unusual conditions of use. Levels in excess of the exposure limits can accumulate in non-vented container headspaces. Water is the principal volatile component.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

COLOR & APPEARANCE:	white liquid	VAPOR PRESSURE (mmHg):	>18.65 at 70°F (21°C)
ODOR THRESHOLD:	slight sweet	VAPOR DENSITY (AIR=1):	not available
PHYSICAL FORM:	liquid	SPECIFIC GRAVITY (H2O=1):	1.09
FLAMMABLE LIMITS		EVAPORATION RATE:	not available
LEL:	not applicable		
UEL:	not applicable		
MELTING POINT:	32°F (0°C)	SOLUBILITY IN WATER:	moderately soluble
BOILING POINT:	>212°F (100°C)		
AUTOIGNITION TEMP:	not available	VISCOSITY:	2,900 ± 100 cP
FLASH POINT:	not applicable	VOLATILE ORGANIC COMPOUNDS (VOC)	
(Pensky-Martens Closed Cup ASTM D 93)		VOC:	NA
		VOC less H2O & Exempt Solvent:	NA
pH AS SUPPLIED:	> 5.6		

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Material is stable.

MATERIALS AND CONDITIONS TO AVOID (STABILITY):
None known.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

Depending on formulation conditions (such as pH>7), the level of acetaldehyde may increase as a result of hydrolysis of residual vinyl acetate monomer.
Aldehydes. Acetic Acid.

HAZARDOUS POLYMERIZATION: Cannot occur.

SECTION 11: TOXICOLOGICAL INFORMATION**TOXICOLOGICAL INFORMATION:**

No data available.

Experience with humans during manufacture and use: No information on damage to health.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Disposal of this product, solutions and any by-products should at all times comply with Federal, State and local regulations. For small quantities (less than 100 gallons), disposal to industrial or municipal waste water treatment plant is normally acceptable. Obtain approval prior to disposal. The product may cause foaming when agitated. The product can be chemically or biologically degraded.

For large quantities, dispose of product in an approved and licensed facility. The product may be disposed by incineration in a special waste incinerator, but chemical or biological treatment is usually sufficient. Chemical precipitation and coagulation can be used to remove solids. NOTE: Product may be difficult to remove from automobiles and other personal property if allowed to dry on surface.

RCRA HAZARD CLASS:

none

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (49 CFR)

PROPER SHIPPING NAME: Not a DOT controlled material

INTERNATIONAL AIR TRANSPORTATION (ICAO/IATA)

PROPER SHIPPING NAME: Not subject to IATA regulations

WATER TRANSPORTATION (IMO/IMDG)

PROPER SHIPPING NAME: Not subject to IMDG code

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (Toxic Substance Control Act)

All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12(b) Export Notification: 5-Chloro-2-Methyl-4-Isothiazolin-3-One; 2-Methyl-4-Isothiazolin-3-One

311/312 HAZARD CATEGORIES:

Chronic: no Reactivity: no Acute: no

SECTION 313: (Toxic chemicals subject to reporting requirements of that section and 40 CFR part 372 (EPCRA))

Does not contain any SARA 313 chemicals above de minimus levels.

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION, AND LIABILITY ACT):

None.

STATE REGULATIONS

California Prop. 65:

Carcinogens: Formaldehyde (CAS 50-00-0); Acetaldehyde (CAS 75-07-0)

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

HMIS Rating

Health	1
Flammability	0
Reactivity	0

PREPARATION INFORMATION:

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