



## SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION

**PRODUCT NAME:** GluDown® Construction Adhesive

**CAS NUMBER:** MIXTURE

**DESCRIPTION:** CHLORINATED ADHESIVE

**MANUFACTURED FOR:** Adhesives Plus, Inc.

1825 Summit Avenue Suite 200

Plano, TX 75074

United States of America

**Information Phone Number:** 1-877-320-4747

**Emergency Phone Number:** 800-424-9300 / INTERNATIONAL 1-703-527-3887 (Chemtrec)

**SDS Date of Preparation:** 4/15/2015

**Product Use:** Adhesive

**Restriction on Use:** For commercial use only – not packaged or labeled for home use.

### SECTION 2: HAZARDS IDENTIFICATION

**GHS Classification (Hazcom 2012):**

**For Aerosols:**

Flammable Aerosol Category 1

Gas Under Pressure: Compressed Gas

Carcinogen Category 2

Eye Irritation Category 2

Skin Irritation Category 2

Specific Target Organ Toxicity – Single Exposure Category 3 (Nervous System)

**Label Elements:**



**DANGER!**

Extremely Flammable Aerosol.

Contains gas under pressure; may explode if heated.

Causes skin irritation.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Suspected of causing cancer.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat, sparks, open flames, and hot surfaces – No smoking.

Do not spray on an open flame or other ignition source.

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

Avoid breathing mist, vapors, or spray.

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Use only outdoors or in a well-ventilated area.  
Wash thoroughly after handling.  
Wear protective gloves, protective clothing, eye protection and face protection.

If exposed or concerned: Get medical advice or attention.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, 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.  
Take off contaminated clothing and wash it before reuse.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER or doctor if you feel unwell.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.

Dispose of contents and container in accordance with local, state, and national regulations.

### For Cylinders:

Flammable Gas Category 1  
Gas Under Pressure: Compressed Gas  
Carcinogen Category 2  
Eye Irritation Category 2  
Skin Irritation Category 2  
Specific Target Organ Toxicity – Single Exposure Category 3 (Nervous System)

### Label Elements:



**DANGER!**  
Extremely flammable gas  
Contains gas under pressure; may explode if heated.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.  
Suspected of causing cancer.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep away from heat, sparks, open flames, hot surfaces.-No smoking.  
Avoid breathing mist, vapors, or spray.  
Use only outdoors or in a well-ventilated area.  
Wash thoroughly after handling.  
Wear protective gloves, protective clothing, eye protection and face protection.

If exposed or concerned: Get medical advice or attention.

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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, 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.

Take off contaminated clothing and wash it before reuse.

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

Call a POISON CENTER or doctor if you feel unwell.

Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

Eliminate all ignition sources if safe to do so.

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

Store locked up.

Dispose of contents and container in accordance with local, state, and national regulations.

**Other Hazards:** None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name      | CAS#     | %     | GHS Classification  |
|--------------------|----------|-------|---|
| Methylene Chloride | 75-09-2  | 45-55 | Skin Irritation Category 2<br>Eye Irritation Category 2<br>Carcinogen Category 1B<br>Specific Target Organ Toxicity Single Exposure Category 3 (Nervous System) |
| Propane            | 74-98-6  | 10-20 | Flammable Gas Category 1<br>Liquefied Gas Category 1  |
| Butane             | 106-97-8 | 5-15  | Flammable Gas Category 1<br>Liquefied Gas Category 1  |

## SECTION 4: FIRST AID MEASURES

**Eye:** Rinse thoroughly with water for 15 minutes, while holding the eye lids open to be sure the material is washed out. Remove contacts if it is safe and easy to do so. Continue rinsing. Get medical attention if irritation persists.

**Skin:** Remove contaminated clothing. Wash exposed area thoroughly with soap and water. Get medical attention if irritation develops. Launder clothing before re-use.

**Inhalation:** Remove victim to fresh air. Give artificial respiration if needed. If breathing is difficult, oxygen should be administered by qualified personnel. Get medical attention.

**Ingestion:** Ingestion is an unlikely route of exposure for aerosol products. If ingestion occurs, do NOT induce vomiting. Immediately call local poison control center or go to an emergency department. Never give anything by mouth to an unconscious or drowsy person.

**Most Important symptoms and effects, both acute and delayed:** Causes eye and skin irritation. Prolonged or repeated skin contact may cause defatting or drying of the skin. Mist may

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cause respiratory tract irritation. Inhalation of vapors may cause drowsiness or dizziness. Overexposure may cause kidney and liver damage. This product contains Methylene chloride which is a suspected carcinogen based on animal data. Risk of cancer depends on duration and level of exposure.

**Indication of any immediate medical attention and special treatment needed:** Medical attention may be required eye exposure or inhalation. Get immediate medical attention for ingestion.

### SECTION 5: FIRE-FIGHTING MEASURES

**Suitable and Unsuitable Extinguishing Media:** Use dry chemical, carbon dioxide, or foam. Use water to cool fire-exposed containers and to protect personnel. Do not direct a solid stream of water or foam into hot, burning pools this may results in frothing and increase fire intensity.

**Special Hazards Arising from the Chemical:**

**Unusual Fire Hazards:** Contents under pressure. Keep away from heat and open flames. Container may rupture or explode in the heat of a fire. Prolonged exposure to temperatures above 120°F may cause cans to burst. Empty containers may retain product residue including Flammable or Explosive vapors. DO NOT cut, drill, grind, or weld near full, partially full, or empty product containers.

**Hazardous Decomposition Products:** carbon dioxide, carbon monoxide, hydrogen chloride, chlorine, and phosgene.

**Special Equipment and Precautions for Fire-Fighters:** Wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water. Protect against bursting cans.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:** Evacuate the area promptly and keep upwind of the spilled material. Isolate the spill area to prevent people from entering. Wear appropriate personal protective equipment and clothing during clean-up. Eliminate all sources of ignition. Ventilate area.

**Methods and Material for Containment and Cleaning Up:** Stop discharge if safe to do so. Stop material from contaminating soil or from entering seers or water streams. Cover spills with inert absorbent and place in closed chemical waste containers.

### SECTION 7: HANDLING AND STORAGE

FOR COMMERCIAL USE ONLY – NOT PACKAGED OR LABELED FOR HOME USE!

**Precautions for Safe Handling:** Keep product away from heat, sparks or open flame. Avoid contact with eyes and skin. Avoid breathing vapors, mists, or aerosols. Use with adequate ventilation. Wash exposed skin thoroughly with soap and water after use. Do not handle or store near an open flame, heat, or other sources of ignition. Contents under pressure. Do not puncture or incinerate container. Do not reuse the empty container.

Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

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**Empty Container Precautions:** Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption, or where skin contact can occur.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a cool, well-ventilated area at temperatures below 120°F. Do not store in direct sunlight. Store away from acids and oxidizing agents.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| Chemical Name      | Exposure Limits   |
|--------------------|---|
| Methylene Chloride | 50 ppm TWA ACGIH TLV<br>25 ppm TWA, 125 ppm STEL OSHA PEL |
| Propane            | 1000 ppm TWA OSHA PEL                                     |
| Butane             | 1000 ppm STEL ACGIH TLV                                   |

**Appropriate Engineering Controls:** General ventilation should be adequate for normal use. For operations where the occupational exposure limit may be exceeded, mechanical ventilation such as local exhaust may be needed to maintain exposure levels below applicable limits.

**Respiratory Protection:** For operations where the occupational exposure limit may be exceeded, a NIOSH approved respirator is recommended. Equipment selection depends on contaminant type and concentration, select in accordance with good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

**Skin Protection:** Impervious gloves are recommended for operations which may result in prolonged or repeated skin contact.

**Eye Protection:** Wear chemical safety goggles to prevent eye contact.

**Other Protective Equipment:** Protective clothing if needed to avoid prolonged or repeated skin contact. Suitable washing and eye flushing facilities should be available in the work area. Contaminated clothing should be removed and laundered before re-use.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|  |   |
|--|---|
| <b>Appearance:</b> Natural liquid  | <b>Vapor Density:</b> 2.9 (methylene chloride)            |
| <b>Odor:</b> Sweet pungent odor  | <b>Specific Gravity:</b> 1.18 (+/- 0.02)                  |
| <b>Odor Threshold:</b> Not available                                     | <b>Water Solubility:</b> Negligible                       |
| <b>pH:</b> Not available   | <b>Octanol/Water Partition Coefficient:</b> Not available |
| <b>Melting Point/Freezing Point:</b> -95°C (-139°F) (Methylene Chloride) | <b>Autoignition Temperature:</b> Not available            |
| <b>Boiling Point:</b> 39.75°C (103.55°F) (Methylene Chloride)            | <b>Decomposition Temperature:</b> Not available           |
| <b>Flash Point:</b> -187.6°C (-305.68°F)                                 | <b>Viscosity:</b> Not available                           |
| <b>Evaporation Rate:</b> Not available                                   | <b>Explosion Properties:</b> None                         |
| <b>Flammable Limits:</b><br><b>LEL:</b> 13% (methylene chloride), 1.8%   | <b>Oxidizing Properties:</b> Not oxidizing                |

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|  |   |
|--|---|
| (propellant)<br><b>UEL:</b> 23% (methylene chloride), 9.5%<br>(propellant) |   |
| <b>Vapor Pressure:</b> 435 mmHg @ 25°C (77°F)<br>(Methylene Chloride)      | <b>Aerosol Fire Protection Level:</b> Level 1<br>Aerosol (NFPA 30B) |
| <b>Aerosol Flame Extension:</b> Not available                              | <b>Flashback:</b> Not available                                     |
| <b>VOC:</b> 30% (294 g/L)  |   |

### SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal conditions of use

**Chemical Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** Contact with water may produce methanol.

**Conditions to Avoid:** Keep away from heat, sparks, flames and other sources of ignition. Dropping containers may cause bursting.

**Incompatible Materials:** Avoid strong oxidizing agent, reducers, acids, and alkalis.

**Hazardous Decomposition Products:** Combustion will produce carbon dioxide, carbon monoxide, hydrogen chloride, chlorine, and phosgene.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Potential Health Effects:

**Eye:** Liquid or mists may cause eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision

**Skin:** Contact with this product may cause irritation, and dry and/or defat the skin.

**Inhalation:** This product may cause dizziness, nausea, upper respiratory irritation, drowsiness, and mental depression or narcosis, difficulty in breathing, irregular heartbeats.

**Ingestion:** Ingestion can cause gastrointestinal irritation, nausea, and diarrhea.

**Chronic Hazards:** Prolonged overexposure may cause central nervous system effects.

**Carcinogen Status:** Methylene Chloride is listed by IARC as "Possibly Carcinogenic to Humans (Group 2B) by IARC, and as "Reasonably Anticipated to Be a Human Carcinogen" by NTP. It is regulated by OSHA as a carcinogen. None of the other components of this product are listed as carcinogens by IARC, NTP, or OSHA.

#### Numerical Measures of Toxicity:

Methylene Chloride: Oral rat LD50- 985-1600 mg/kg, Inhalation rat LC50- 52 mg/L/4hr

Propane: Inhalation mouse LC50 -1237 mg/L/2hr

Butane: Inhalation mouse LC50 -1237 mg/L/2hr

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## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity:

Methylene Chloride: 96 hr LC50 Fathead minnow – 310 mg/L, 96 hr LC50 Bluegill sunfish- 220 mg/L

Propane: 96 hr LC50 fish 27.98 mg/L; 48 hr EC50 daphnid 14.22 mg/L; 96 hr green algae 7.71 mg/L

Butane: 96 hr LC50 fish 27.98 mg/L; 48 hr EC50 daphnid 14.22 mg/L; 96 hr green algae 7.71 mg/L

**Persistence and Degradability:** Methylene Chloride: Biodegradation may occur in ground water, but will be very slow compared with evaporation.

**Bioaccumulative Potential:** Methylene Chloride has a BCF of 2, Propane a BCF of 13, and Butane a BCF of 33, which suggests the potential for bio concentration is low.

**Mobility in Soil:** Propane is moderately mobile in soil. Butane is expected to have low mobility in soil.

**Other Adverse Effects:** None known

## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, regional and national regulations. Do not puncture or incinerate containers. When contents are depleted, continue to depress button until all gas is expelled.

## SECTION 14: TRANSPORT INFORMATION

### Aerosols:

**DOT Proper Shipping Name:** Limited Quantity

**DOT Technical Name:** None

**DOT Hazard Class:** 2.1

**UN Number:** UN1950

**DOT Labels Required (49CFR172.101):** Limited Quantity

**Hazardous Substance (49CFR172.101):** Methylene Chloride (RQ 1,000 lbs)

**Reportable Quantity:** 1,818 lbs.

**IMDG Shipping Description:** UN1950, Aerosols, 2.1, FP -187.6°C, Limited Quantity

**ID Number:** UN1950

**Hazard Class:** 2.1

**Packing Group:** None

**Labels Required:** None

**Marking Required:** LTD QTY

**Placards Required:** Limited Quantity Mark

### Cylinders:

**DOT Proper Shipping Name:** Chemicals Under Pressure, Flammable, N.O.S.

**DOT Technical Name:** Methylene Chloride

**DOT Hazard Class:** 2.1

**UN Number:** UN3501

**DOT Labels Required (49CFR172.101):** Flammable 2.1

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**Hazardous Substance (49CFR172.101):** Methylene Chloride (RQ 1,000 lbs)

**Reportable Quantity:** 1,818 lbs.

**IMDG Shipping Description:** UN3501, Chemicals Under Pressure, Flammable, N.O.S.

Methylene Chloride, (FP -187.6°C), 2.1

**ID Number:** UN3501

**Hazard Class:** 2.1

**Packing Group:** None

**Labels Required:** Flammable 2.1

**Marking Required:** None

**Placards Required:** Flammable 2.1

## SECTION 15: REGULATORY INFORMATION

**CERCLA 103 Reportable Quantity:** Releases of this product in excess of the reportable quantity of 1,818 lbs (based on methylene chloride of 1000 lbs) are reportable to the National Response Center. Many states have more stringent reporting requirements. Report spills and other releases as required under federal, state and local regulations.

### SARA TITLE III:

**Hazard Category for Section 311/312:** Acute Health, Chronic Health, Fire Hazard, Sudden Release of Pressure

**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements:

|                    |         |        |
|--------------------|---------|--------|
| Methylene Chloride | 75-09-2 | 45-55% |
|--------------------|---------|--------|

**Section 302 Extremely Hazardous Substances (TPQ):** None

**EPA Toxic Substances Control Act (TSCA) Status:** All of the components of this product are listed on the TSCA inventory.

### STATE REGULATIONS:

**California Proposition 65:** This product contains the following substances known to the State of California to cause cancer and/or reproductive harm: Methylene Chloride 45-55%, 1, 1, 2-Trichloroethane <7.11 ppm, Vinylidene Chloride <8.67 ppm, and Naphthalene <3ppm.

## SECTION 16: OTHER INFORMATION

**Revision Summary:** All Sections: New Format

**SDS Date of Preparation/Revision:** August 22, 2014

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While the information set forth herein is believed to be accurate as of the date hereof, the Company makes no warranty or guarantee, express or implied, and disclaims all liability arising out of the use of this information.