

**MATERIAL SAFETY DATA SHEET**

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**SECTION I - IDENTIFICATION OF PRODUCT**

**PRODUCT NAME:** White Glazing Putty (Military Model)  
**PRODUCT CODE:** (31170), 31171  
**SYNONYM OR CROSS REFERENCE:** Filler Paste  
**SCHEDULE B NUMBER:** 3214.10.0090

**SECTION II - HAZARDOUS INGREDIENTS**

| INGREDIENTS          | WEIGHT % | CAS NUMBER            | TLV/PEL   |
|----------------------|----------|-----------------------|---|
| Calcium Carbonate    | 15-20%   | 1317-65-3<br>471-34-1 | ACGIH: TLV 10 mg/m <sup>3</sup>                             |
| Talc non-asbestiform | 40-45%   | 14807-96-6            | ACGIH: TLV 2 mg/m <sup>3</sup>                              |
| Toluene              | 12-14%   | 108-88-3              | ACGIH: TLV 100 ppm<br>STEL 100 ppm<br>OSHA: PEL-TWA 200 ppm |
| Butyl Acetate        | 1-3%     | 123-86-4              | ACGIH: TLV 100 ppm<br>STEL 100 ppm<br>OSHA: TWA 150 ppm     |
| Isopropanol          | 1-3%     | 63-67-0               | ACGIH: TLV 400 ppm<br>OSHA: PEL 500 ppm                     |
| Xylene               | 2-4%     | 1330-20-7             | ACGIH: TLV 100 ppm<br>STEL 150 ppm<br>OSHA: PEL-TWA 100     |
| Titanium Dioxide     | 1-2 %    | 13463-67-7            | ACGIH: TLV 10 mg/m <sup>3</sup>                             |
| Methyl Ethyl Ketone  | < 1%     | 78-93-3               | ACGIH TLV 200 ppm   |
| Dioctylphthalate     | 3-5%     | 117-81-7              | ACGIH TLV 5mg/m <sup>3</sup>                                |
| Isobutyl Acetate     | 3-5%     | 110-19-0              | ACGIH TLV 150 ppm   |

**SECTION III - PHYSICAL DATA**

**APPEARANCE:** White Paste  
**SPECIFIC GRAVITY:** 1.57  
**VAPOR PRESSURE (mmHg):** N/E  
**BOILING POINT:** N/E  
**MELTING POINT:** N/E

**VAPOR DENSITY:** Heavier than air  
**EVAPORATION RATE:** (Ethyl Ether = 1)  
 Slower than Ethyl Ether  
**VOLATILES BY WEIGHT:** Approximately 26%  
**SOLUBILITY IN WATER:** Limited  
**VOC:** 407 Grams/Liter 3.4 lbs/gal

**SECTION IV - FIRE AND EXPLOSION DATA**

**FLASH POINT:** 25°F/-4°C Seta Flash Closed Cup

**LOWER FLAMMABLE LIMIT %:** N/E

**UPPER FLAMMABLE LIMIT %:** N/E

**FIRE EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** Fight like a fuel oil fire. Cool fire exposed containers with water spray. Fire Fighter should wear OSHA/NIOSH approved self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARD:** Closed containers exposed to high temperatures, such as fire conditions may rupture.

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**SECTION V - HEALTH HAZARD/TOXICOLOGICAL PROPERTIES**

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**OVEREXPOSURE EFFECTS:**

**ACUTE EFFECTS:**

**EYES** - Contact with eyes can cause irritation, redness, tearing, blurred vision, and/or swelling.

**SKIN** - Contact with skin can cause irritation, (minor itching, burning and/or redness), Dermatitis, defatting may be readily absorbed through the skin.

**INHALATION** - Inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and/or asphyxiation. Aspiration of material into lungs may result in chemical pneumonitis which can be fatal. May be toxic.

**INGESTION** - Ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

**CHRONIC EFFECTS:**

Overexposure to this material has apparently been known to cause the following effects in lab animals: Central Nervous System, skin, respiratory system, blood, kidney, and liver damage.

**CARCINOGENIC**       YES  NO  
**TERATOGEN**         YES  NO  
**MUTAGEN**          YES  NO

**TOLUENE STATEMENT:** Prolonged breathing of 2,000 ppm Toluene by pregnant rats was toxic to their fetuses (reduced body weight, delayed ossification, skeletal variations), but was not teratogenic. (API Study, 1986).

**PRIMARY ROUTES OF EXPOSURE:** skin, inhalation

**FIRST AID:**

**INHALATION** -If inhaled, remove victim from exposure to well ventilated area. Make him/her comfortably warm, but not hot. Use oxygen or artificial respiration as required. Consult a physician.

**SKIN** - For skin contact, wash promptly with soap and excess water.

**EYES** - For eye contact, flush promptly with excess water for at least fifteen minutes. Consult a physician.

**INGESTION** - If ingested, do not induce vomiting. Give victim a glass of water. Call a physician immediately.

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**SECTION VI - REACTIVITY DATA**

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**STABILITY:** Stable

**CONDITIONS TO AVOID:** Open flames, sparks, heat, electrical and static discharge.

**INCOMPATIBILITY MATERIALS TO AVOID:** Peroxides or strong oxidizing agents

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide, Carbon Monoxide and acrid fumes

**HAZARDOUS POLYMERIZATION:** Will not occur.

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**SECTION VII - SPILL AND DISPOSAL PROCEDURE**

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**SPILLS, LEAK OR RELEASE:** Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapor. Contain spill with inert absorbent.

**WASTE DISPOSAL:** Dispose of in accordance with local, state, and federal regulations.

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**SECTION VIII - PROTECTION INFORMATION**

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**RESPIRATORY PROTECTION:** With general room ventilation does not require any respiratory protection. If room ventilation is lacking, use NIOSH approved respirator, if necessary.

**VENTILATION:** Use adequate ventilation in volume and pattern to keep TLV/PEL below recommended levels.

**PROTECTIVE GLOVES:** To prevent prolonged exposure, use neoprene or equivalent gloves

**EYE PROTECTION:** Safety Glasses or goggles with splash guards or side shields.

**OTHER PROTECTIVE EQUIPMENT:** Wear protective clothing as required to prevent skin contact.

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**SECTION IX - HANDLING AND STORAGE PRECAUTIONS**

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**STORAGE AND HANDLING:** Use with adequate ventilation. **HARMFUL OR FATAL IF SWALLOWED! AVOID CONTACT WITH EYES AND SKIN. AVOID BREATHING VAPORS. FLAMMABLE!** Do not store the product above 100°F/38°C. Do not flame, cut, braze weld or melt empty containers. Keep the product away from heat, open flame, and other sources of ignition. Avoid contact with strong acids, alkalis and oxidizers.

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**SECTION X - ADDITIONAL INFORMATION**

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**SHIPPING INFORMATION:** Please comply with DOT regulations in USA

**HMIS RATING:**

|                       |          |                   |
|-----------------------|----------|-------------------|
| Health                | <u>2</u> | 4 = Extreme       |
| Fire                  | <u>4</u> | 3 = High          |
| Reactivity            | <u>1</u> | 2 = Moderate      |
| Personal Protection - |          | 1 = Slight        |
| See Section VIII      |          | 0 = Insignificant |

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**CALIFORNIA PROPOSITION 65:**

WARNING: This product contains Toluene, a chemical known to the State of California to cause birth defects or other reproductive harm.

**SARA 313 SUPPLIER NOTIFICATION:**

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 and 40 CFR 372:

| <u>CAS NUMBER</u> | <u>CHEMICAL NAME</u> | <u>% BY WEIGHT</u> |
|-------------------|----------------------|--------------------|
| 108-88-3          | Toluene              | 12-14%             |
| 1330-20-7         | Xylene               | 2-4 %              |
| 78-93-3           | Methyl Ethyl Ketone  | < 1%               |

This information must be included on all MSDS that are copied and distributed for this material.

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**ABBREVIATIONS:**

|   |                                  |
|---|----------------------------------|
| IARC = International Agency for Research on Cancer                | N/AV = Not Available             |
| ACGIH = American Conference of Governmental Industrial Hygienists | N/AP = Not Applicable            |
| NIOSH = National Institute of Occupational Safety and Health      | N/E = Not Established            |
| DOT = Department of Transportation                                | N/D = Not Determined             |
| TLV = Threshold Limit Value                                       | PEL = Permissible Emission Level |
| NTP = National Toxicology Program                                 |                                  |

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REVISION: Sections II, X

The information in the Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of the safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the Company to make sure that the sheet is the latest one issued.