

# MATERIAL SAFETY DATA SHEET

(MSDS Sheet is in compliance with 29CFR 1910.1200)

**Manufacturer:**

**IMEB INC.**  
**170 Vallecitos De Oro, Suite A**  
**San Marcos, CA 92069**  
**Chemtrec: 800-424-9300**

**Date Prepared:** 01/05/1999  
**CAT #:** K7028-4

**Product Trade name:** Picric Acid / Acetone Solution

**Product Description:** Brown And Brenn Gram's Traditional Stain Kit

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**Section I Hazardous Composition Information**

Hazardous Components	CAS No.	OSHA PEL	ACGIH / TLV	TWA
Picric Acid	88-89-1	n/a	n/a	n/a
Acetone	67-64-1	n/a	n/a	750 ppm

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**Section II Physical and Chemical Characteristics**

**Specific Gravity:** 0.79 (Water = 1.0)@ 77 F

**Solubility in Water:** Soluble

**SP. Gravity of Vapor:** 0.791 (Air = 1.0 @ 60 –90 Degrees F)

**Evaporation Rate (n-Bu Acetate = 1):** n/a

**Vapor Pressure:** n/a

**Viscosity:** n/a

**Boiling Point:** 56.2 C

**Melting Point:** -95.35 C

**Color:** Yellow

**Odor:** Pungent

**State:** Liquid

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**Section III Stability and Reactivity**

**Stability:** Stable

**Conditions to Avoid:** Do not allow solution to dry and crystallize into a white dry salt.

**Explosive:** Risk of explosion on mechanical impact of dry salt.

**Hazardous Polymerization:** Will not occur

**Incompatible Materials:** Strong Oxidizers, Strong Bases, Metals.

**Hazardous Decomposition Products:** Products of biodegradation are Carbon Monoxide, Carbon Dioxide and explosive trinitro-compounds.

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**Section IV Fire and Explosion Data**

**Flashpoint:** -20 C [-4 F] Closed Cup; -9 C [15.8 F] Open Cup

**Flammable Limits:** **LEL:** 2.6% **UEL:** 12.8%

**Autoignition Temperature:** 869 F

**Extinguishing Media:** Foam, Dry Chemical, Water Spray, CO<sub>2</sub>, Sand

**Special Fire Fighting Procedure:** Flammable vapor may travel considerably.

**Decomposition Products Under Fire Conditions:** May form explosive trinitro-compounds.

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**Section V Health Hazard Data**

**Acute Health Effects:**

