

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

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

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

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.

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, CO2, Sand
Special Fire Fighting Procedure: Flammable vapor may travel considerably.
Decomposition Products Under Fire Conditions: May form explosive trinitro-compounds.

Section V Health Hazard Data

Acute Health Effects:

Eye Contact: May cause severe eye irritation.
Skin Contact: May cause skin irritation and defatting.
Inhalation: May cause dizziness, nausea and unconsciousness.
Ingestion: May be toxic by ingestion.

Chronic Health Effects:

Eye Contact: Prolonged exposure may cause blindness.
Skin Contact: Prolonged exposure may cause severe skin irritation and defatting. Continued absorption through skin may be toxic to blood, kidneys, liver.
Inhalation: Repeated inhalation of a toxic substance may be fatal.
Ingestion: Repeated exposure by ingestion to any toxic material may produce general deterioration of health by accumulation. Repeated exposure can be fatal.
Medical Conditions Aggravated by Exposure: This product contains Picric Acid, which is known to cause birth defects and target organ damage by repeated exposure and accumulation by permeation and oral ingestion.

Section VI Emergency First Aid Procedures

Eye Contact: Flush eye with copious amounts of water or saline solution. Seek Medical Attention.
Skin Contact: Wash contact area with soap and water.
Inhalation: Remove employee to well ventilated area. Seek immediate medical attention if symptoms persist or if employee is unconscious, Mouth to Mouth resuscitation may be performed by trained personnel.
Ingestion: Induce vomiting only if person is conscious. Drink several glasses of water or milk before inducing. Seek immediate medical attention.

Section VII Spill, Disposal and Storage Methods

Accidental Spill: Immediately inform employees. Wear gloves and goggles and approved respirator. Turn off all electrical equipment. Immediately absorb spill with absorbent material., Spill area can be washed with soap and water. Do not allow liquid to air dry. Precipitates formed after drying are considered EXPLOSIVE.

Waste Disposal: All waste must be disposed in accordance to local, state, and federal regulations.

Storage: Store in original container or LDPE, HDPE or any plastic container. Do not store in metal containers. Keep away from flame, electrical devices. Clean and check cap threads before unscrewing. Store at room temperature.

Section VIII Personal Protection and Handling

Ventilation: Work under mechanical ventilation.
Respiratory Protection: Use only approved OSHA/NTP approved organic respirators.
Eye Protection: Wear goggles or splash shield.
Protective Gloves: Wear latex gloves or impermeable protective gloves.
Other Protective Clothing or Equipment: Wear rubber or plastic apron.
Hygienic Practices: **Wash hands before meals or breaks.**
Federal and State Regulations: Massachusetts 'Right To Know', substance list [MSL] Hazardous substances & Extraordinary Hazardous Substances on the MSL must be identified when present in products and components presented in this product at a level which required reporting under the statute are: PICRIC ACID, ACETONE

THIS INFORMATION RELATES TO THE SPECIFIC TRADE NAME PRODUCT DESIGNATED ON THIS MSDS SHEET. INFORMATION IS TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE COMPILED. NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO ITS ACCURACY, RELIABILITY OR COMPLETENESS. WE DO NOT ACCEPT LIABILITY FOR ANY LOSS OR DAMAGE THAT MAY OCCUR FROM THE USE OF THIS INFORMATION.