

MATERIAL SAFETY DATA SHEET

(MSDS Sheet is in compliance with 29CFR 1910. 1200)

Manufacturer:
IMEB INC.
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CAT #: K7028-5

Product Trade name: Gram's Decolorizer 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
Acetone	67-64-1	n/a	n/a	750 ppm
Reagent Alcohol	n/a	n/a	n/a	n/a

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-alcoholic
State: Liquid

Section III Stability and Reactivity

Stability: Stable
Conditions to Avoid: Avoid direct contact with flames or electrical heating device.
Explosive: n/a
Hazardous Polymerization: Will not occur
Incompatible Materials: Strong Oxidizers, Strong Bases, Metals.
Hazardous Decomposition Products: Products of biodegradation are Carbon Monoxide, Carbon Dioxide.

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 become explosive under fire conditions.

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 200 PF Ethanol known in the State of California to cause cancer.

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.

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. 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: ACETONE

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