

SECTION 1: IDENTIFICATION OF PRODUCT

FORMULA: Mixture of acrylic copolymer resins and solvents for surface hardening of models and dies.

SYNONYM OR CROSS REFERENCE: CLEAR COAT MODEL HARDENER (and THINNER)

a **D** American
S Dental Supply, Inc.

2600 William Penn Hwy., Easton, PA 18045-5277
(800) 558-5925

MATERIAL
SAFETY
DATA
SHEET

NFPA RATINGS

HEALTH HAZARD: 1
FIRE & EXPLOSION: 2
REACTIVITY: 0
PROTECTION: B

SECTION 2: HAZARDOUS INGREDIENTS

MATERIAL: Blend of resin solvents, primarily ketones.

Acetone, CAS No. 67-64-1; Methyl ethyl ketone, CAS No. 78-93-3.

NATURE OF HAZARD: FLAMMABLE LIQUID.

DOT classification: PAINT RELATED MATERIAL, UN 1263, Class 3, PG II.

SECTION 3: PHYSICAL DATA

MELTING POINT: °F: N/A

BOILING POINT: °F: 170

VAPOR PRESSURE: (mm Hg): 107 at 68°F.

SPECIFIC GRAVITY: (H₂O=1): 1.08 at 77°F

VAPOR DENSITY: (Air =1): Greater than 1

WATER SOLUBILITY: Partial (resin precipitates)

PH OF SOLUTION: N/A

PERCENT VOLATILE: Approx. 85%

EVAPORATION RATE: (BuAC =1): Greater than 1

APPEARANCE: Clear, thin, colorless liquid. Characteristic sharp ketone odor.

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used): 23°F. (TCC)

FLAMMABLE LIMITS: LEL=2%

FIRE EXTINGUISHING MEDIA: Carbon Dioxide or dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: None for lab quantities. If safe, remove containers from sources of heat and cool them.

UNUSUAL FIRE AND EXPLOSION HAZARD: When heated to decomposition, emits irritating fumes. Closed bottles will rupture if exposed to extreme heat.

SECTION 5: HEALTH HAZARD

THRESHOLD LIMIT VALUE: 250 PPM (solvent vapors)

HEALTH HAZARDS: Effects of overexposure to product.

Skin: Prolonged contact can cause irritation and defatting.

Eyes: Exposure to liquid can cause severe irritation, redness and blurred vision.

Inhalation: High concentrations of vapor can cause irritation to respiratory system, headache, nausea, dizziness and fatigue.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

FIRST AID PROCEDURES:

Skin: Wash well with soap and water. If irritation develops get medical attention.

Eyes: Flush with plenty of cool water for 15 minutes, while lifting eye lids. If irritation persists get medical attention.

Inhalation: If affected, remove to fresh air. If irritation persists or worsens get medical attention.

Ingestion: Give 2 glasses of water and induce vomiting mechanically or with Syrup of Ipecac. Get medical attention.

CARCINOGENICITY: No ingredients identified as a carcinogen or potential carcinogen by NTP, IARC or OSHA.

SECTION 6: REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Heat, sparks and open flames

INCOMPATIBILITY (MATERIALS TO AVOID): Active metals, oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition will form irritating fumes.

HAZARDOUS POLYMERIZATION: Will Not Occur.

SECTION 7: SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

If spilled, extinguish all nearby sources of heat, sparks or ignition and ventilate the area. MODEL HARDENER may be cleaned off solvent resistant surfaces with THINNER or acetone. Liquid may be picked up with any absorbent material.

WASTE DISPOSAL METHOD:

Allow to evaporate to dryness in a hood, or dispose of in approved metal waste can.

SECTION 8: PROTECTION INFORMATION

VENTILATION: Local exhaust is preferred. Mechanical acceptable.

SKIN: Rubber or nitrile glove.

EYES: Safety Glasses or splash goggles

RESPIRATORY: None needed in normal use.

OTHER PROTECTIVE EQUIPMENT: Eye-wash station.

SECTION 9: HANDLING AND STORAGE (lab quantities)

Keep containers well closed. Store in cool, dry, well ventilated area. For laboratory or office use only. Keep out of reach of children. Avoid heat and direct sunlight. Normal precautions of laboratory good housekeeping practices should be followed.

SECTION 10: MISCELLANEOUS INFORMATION

Regulations related to storage and handling of flammable liquids should be followed.

EMERGENCY RESPONSE: CHEMTREC 1-800-424-9300

FOR INFORMATION: 1-800-558-5925 (8 AM to 6 PM EST, MONDAY TO FRIDAY)

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Information Furnished By: L. D. Hochhauser
Product Development Mgr.

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