

SAFETY DATA SHEET

#287, Primer

SECTION 1-IDENTIFICATION

Product Identifier:	Nail Polish
Manufacturer:	Mad River Science 2736 Clay Road Mckinleyville, CA 95519
Product Type:	Waterborne Nail Polish
Chemical Name:	Emulsion resin/pigment mixture
Chemical Family:	Water-based paint
CAS No:	Mixture/Not Hazardous

SECTION 2 – HAZARDOUS INGREDIENTS.

This product contains 1-methoxy-2-propanol which may cause eye and skin irritation. May be absorbed through intact skin. This substance has caused adverse reproductive and fetal effects in animals when administered in large doses over prolonged periods of time. **Flammable liquid and vapor.** Harmful if inhaled in massive quantities.

SECTION 3 – COMPOSITION

<u>CAS Number</u>	<u>CTFA/INCI Name</u>	<u>MAX %</u>
107-98-2	1-Methoxy-2-propanol	99.50
57116-45-7	Polyaziridine	0.50

patented: US 9,636,287

SECTION 4 – FIRST AID MEASURES

Appearance: clear, colorless. **Flash Point:** 36 deg C. **Causes eye and skin irritation. May be absorbed through intact skin. This substance has caused adverse reproductive and fetal effects in animals when administered in large doses over prolonged periods of time. Flammable liquid and vapor. Harmful if inhaled in massive quantities.**

Effects of Overexposure

General: This product has shown very few toxic symptoms in humans. The most common when repeatedly exposed to high concentrations of material are nausea and skin rashes. Vapors or direct eye contact may cause irritation. Acute and repeated overexposure to vapors as may occur. When heated or burned may cause nausea, dizziness or flu-like symptoms

Inhalation: High vapor concentrations may cause headache, dizziness, and sedation.

Eyes: Low hazard for usual industrial/commercial handling by trained personnel. May cause mild eye irritation with accompanying stinging, tearing, and redness.

Skin: May cause mild skin irritation. Prolonged or repeated contact may cause redness, burning, drying and cracking of the skin.

Ingestion: Swallowing this material in quantities greater than several milliliters would be very difficult to do because of its bitter taste. . Accidental ingestion of small amounts may cause discomfort in the throat and stomach. In the event of swallowing, do not induce vomiting. Seek immediate medical care.

Primary Routes of Exposure: Eye/skin contact. Inhalation. Skin Absorption.

Conditions Aggravated by Exposure: None specific to product.

First Aid Procedures:

Eye Contact: Flush eyes with large amounts of running water until water runs clear. Consult a doctor if irritation develops.

Skin Contact: Wash with soap and water. Remove and wash contaminated clothing. Consult a doctor if irritation develops.

Inhalation: If vapor or mist is inhaled, remove to fresh air. Treat symptoms of irritation if necessary.

Notes to Physician: Effects may be delayed.

SECTION 5- FIRE-FIGHTING MEASURES

Flash Point and Method: 62 degree C , TCC

Auto-ignition Temperature No data available
Lower Explosive Limit- 6% by volume
Upper Explosive Limit – 36% by volume
Extinguishing Agents: Foam, carbon dioxide, dry powder.
Fire Fighting Instructions: Water may be ineffective but may be used to keep fire-exposed containers cool until fire is out. Wear self-contained breathing apparatus when fighting fires in enclosed areas or when exposure to smoke and gases could occur (including cleanup/salvage operations). The apparatus should consist of a full face-piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.
Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drums-even empty drums- because product or its residue can ignite explosively.
Extinguishing Agents: Use water spray or general purpose foams for large fires, dry chemical or CO2 for small fires.

SECTION 6- ACCIDENTAL RELEASE MEASURES

Small spill: Absorb liquid on vermiculite, floor absorbent or other absorbent material. Store used absorbent in air-tight containers away from ignition sources.
Large spill: Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks, non spark-proof electrical outlets and switches). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Prevent runoff to sewers, streams or other bodies of water. If runoff occurs, notify proper authorities as required that a spill has occurred.
RCRA P- Series: None listed.
Environmental: This material is not classified as harmful or toxic to fish or invertebrates.

SECTION 7 – HANDLING AND STORAGE

Handling: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions, especially those pertaining to spark and fire hazard must be observed. All one-gallon and larger containers should be grounded and/or bonded when material is transferred to prevent static discharge. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.
Normal Processing: Suitable controls should be used to control process emissions. Employees should wash before eating or smoking. If clothing or shoes become contaminated, wash before reuse. Avoid breathing high vapor concentrations. Keep container closed. Use with adequate ventilation and proper protective equipment given elsewhere in this MSDS.
Storage: Store at temperatures between 50-100 deg F away from sources of ignition and light. No Smoking. Do not breathe vapor or mist. Avoid contact with skin, eyes, or clothing.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Autoignition Temperature: No data available
Flash Point: 36 deg C (97 deg F)
Decomposition Temperature:Not available.
NFPA Rating: (estimated) Health: 1; Flammability: 3; Reactivity: 0
Explosion Limits, Lower: 3.0 vol %
Upper: 12.00 vol %
Solubility: miscible in water
Ventilation: Good general ventilation (typically 10 air changes per hour) to maintain exposure levels below TLV should be used. Ventilation rates should be matched to conditions. Use process enclosures, local exhaust ventilation, or other engineering controls to maintain ventilation.
Respiratory Protection: If workplace exposure limits of product or any component is exceeded (see exposure limits, Section IIB), a NIOSH/MSHA approved air supplied respirator is advised in the absence of proper ventilation. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure

type) under specified conditions (see you industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure. Disposable, paper masks provide no protection.
Eye Protection: Safety glasses. Use tightly fitting chemical safety goggles if splashing could occur.
Skin Protection: Butyl rubber or nitrile (NBR) rubber gloves. Wear impervious clothing and boots to prevent repeated or prolonged skin contact.
Recommended Decontamination Facilities: Eye bath, water-washing facilities.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

This product is, clear and colorless with a water-like viscosity. It is readily diluted with water.
Physical State: Liquid
Appearance: clear, colorless
Odor: weak
pH: Not applicable.
Vapor Pressure: 0.6 mm Hg @ 20 deg C
Vapor Density: 4.6 (Air=1)
Evaporation Rate: Not available
Viscosity: No data available
Boiling Point: 170 deg C @ 760.00mm Hg
Freezing/Melting Point:-85 deg C

SECTION 10 – STABILITY AND REACTIVITY

Stability: This material is considered stable
Conditions to avoid: Storage temperatures exceeding 30 deg C and resulting excessive head pressure.
Incompatibility: Avoid contact with calcium hypochlorite (bleach), sodium, strong acids, strong oxidizing agents and zinc.
Hazardous Decomposition Products: Carbon dioxide and carbon monoxide
Hazardous Polymerization: This product will not undergo polymerization.

SECTION 11 – TOXICOLOGICAL INFORMATION

Primary Routes of Exposure: Eye/skin contact. Inhalation
Conditions Aggravated by Exposure: None specific to product. Individuals with sensitive airways (e.g. asthmatics) may react to airborne vapors. Persons with pre-existing skin problems or latex-glove allergies may be aggravated by contact with this product in liquid form.
Effects of Overexposure. Vapors or direct eye contact may cause irritation. Acute overexposure to vapors as may occur when heated or burned may cause nausea, dizziness or flu-like symptoms. Accidental ingestion may cause discomfort in the throat and stomach.

SECTION 12 – ECOLOGICAL INFORMATION

All components of this product are biodegradable. Dilution of run-off from large spills with copious amounts of water will mitigate the threat to waterways and wildlife.

SECTION 13- DISPOSAL CONSIDERATION

This product is not considered a Hazardous Waste under current Federal RCRA requirements. Product should be incinerated in suitable equipment.

SECTION 14 – TRANSPORT INFORMATION

DOT Proper Shipping Name: Not Regulated
DOT Primary Hazard Classification: NA
UN/NA Hazard No.: NE
Flash Point: noncombustible

SECTION 15 – REGULATORY INFORMATION

Not applicable..

SECTION 16- OTHER INFORMATION

Date of Preparation: September 9, 2021

User's Responsibility: This bulletin cannot cover all possible situations which the user may experience during processing. Each aspect of user's operation must be examined to determine if, when and where, additional precautions may be necessary. All health and safety information contained in this bulletin must be provided to your employees or customers. It is your responsibility to use this information to develop appropriate work practice guidelines and employee instructional programs for your operation.

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