

# MATERIAL SAFETY DATA SHEET

## Mad River Science Go Natural Nail Polish

### SECTION I-IDENTIFICATION

**CHEMTREC Emergency:** 800-424-9300  
**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  
**Date:** April 1, 2003

### SECTION II(A) – HAZARDOUS INGREDIENTS

| Components | Endnotes | CAS<br>Number | Exposure Limits |       | MAX % |
|------------|----------|---------------|-----------------|-------|-------|
|            |          |               | OSHA            | ACGIH |       |
| None       |          |               | None            |       | 00.00 |

### SECTION II(B) – NON-HAZARDOUS INGREDIENTS

| Components               | Endnotes | CAS<br>Number         | Color Index<br>Number | MAX %   |
|--------------------------|----------|-----------------------|-----------------------|---------|
|                          |          |                       |                       |         |
| Resin emulsion solids    | 3,5,7    | Non-hazardous mixture |                       | 21.78   |
| Preservative             | 5,7      | Non-hazardous mixture |                       | 0.28    |
| Wetting agent            | 5,7      | Non-hazardous mixture |                       | 0.14    |
| Methoxydiglycol3         |          | 111-77-3              | 6.22                  |         |
| Thickener                | 7        | Non-hazardous mixture |                       | 3.46    |
| Miscellaneous            | 7        | Non-hazardous mixture |                       | 0.55    |
| D&C Red, Ca Lake         |          | 5281-04-9             | 15850:1               | ( 1.90) |
| Ultramarine Blue         |          | 57445-37-5            | 77007                 | ( 1.10) |
| Pur Oxy Yellow, BC       |          | 51274-00-1            | 77492                 | ( 0.50) |
| Pur Oxy Black            |          | 12227-89-3            | 77499                 | ( 0.40) |
| Chromium Hydroxide Green |          | 12001-26-2            | 77289                 | ( 0.60) |
| Titanium Dioxide         |          | 13463-67-7            | 77891                 | ( 0.90) |
| Mica                     |          | 12001-38-4            |                       | ( 3.50) |

#### Section II(C)endnotes:

1. Ingredient listed on the California List of Substances Known to Cause Cancer.
2. A MA Extraordinarily Hazardous Substance above the 1 ppm threshold.
3. A PA Non-Hazardous Substance above 5%.
4. SARA Title III requirements apply when the Threshold Planning Quantity or Reportable Quantity is exceeded (see Sections 302, 304, 311, 312).
5. A proprietary ingredient which is not on the Massachusetts Substance List (MSL) and which does not contain any MSL components.
6. A SARA Title III ingredient which is listed in Section 313 above de minimis concentrations.
7. Any material listed as "Non-hazardous mixture" in the "CAS Number" column is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-know Act.
8. A Special Hazardous Substance above the 0.01% threshold (PA).

#### Section II(D) abbreviations:

PEL=Permissible Exposure Limit  
STEL=Short Term Exposure Limit  
Skin=Dermal contact contributes as a significant exposure route  
AL=Action Level  
TWA=Time Weighted Average  
TLV=Threshold Limit Value  
A2=Suspected Human Carcinogen

### SECTION III - PHYSICAL/CHEMICAL PROPERTIES.

This product is a water-based paint with a mild, acrylic odor and clear, liquid appearance in the absence of colorants. Its boiling point is slightly greater than 212 deg F, pH is slightly alkaline (7.5-8.5), and it is readily diluted with water. Solids content is approximately 25 percent

### SECTION IV - HEALTH HAZARD INFORMATION

The major components of this product are not hazardous. Those several minor components which would normally present a nuisance under certain conditions of massive exposures are present in this product in very small amounts.

#### **Carcinogenicity**

(Exposure Limits are listed in Section II(A))

1,2 Benzisothiazolin-3-one, the active ingredient in the preservative has potential to induce human skin sensitization. However, based collectively on several patch test studies and the suppliers experience, formulations which contain no more than 500 ppm of active ingredient are unlikely to induce skin sensitization.

#### **Health Hazards**

**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.

**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.

#### **First Aid Procedures:**

**Eye Contact:** Flush eyes with large amounts of running water until water runs clear. Consult a doctor immediately.

**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.

**Ingestion:** No harmful effect is anticipated. Intensely bitter. However, if a large amount (several ounces, 8 to 10 bottles) is swallowed, it is advisable to induce vomiting. Consult a doctor. Note to physician: Glycol ethers can cause delayed liver and kidney damage. Careful evacuation of the stomach is advisable.

### SECTION V- FIRE AND EXPLOSION HAZARDS

**Flash Point-** noncombustible

**Auto-ignition Temperature** - Not Applicable

**Lower Explosive Limit-** Not Applicable

**Upper Explosive Limit** - Not Applicable

**Extinguishing Agents:** Being an aqueous system, this product is not a fire hazard as supplied. After water has evaporated, the remaining solids can burn.

Use water spray, alcohol or general purpose foams for large fires, dry chemical or CO2 for small.

**Special fire Fighting Precautions:** Wear self-contained breathing apparatus when fighting fires in enclosed areas or when exposure to smoke and gases could occur (including cleanup/salvage operations).

**Unusual Fire and Explosion Hazards:** Product may spatter if temperature of liquid exceeds the boiling point of water. If solids ignite, toxic and irritating gases will be emitted.

## SECTION VI-REACTIVITY

**Instability:** This material is considered stable. However, avoid temperatures above 177 deg C (350 deg F), the onset of polymer decomposition. Thermal decomposition is dependent on time and temperature.

**Hazardous Decomposition Products:** CO, CO<sub>2</sub>, HCN, oxides of nitrogen and small amounts of aromatic or aliphatic hydrocarbons can be generated from combustion of dry or cured latex.

**Hazardous Polymerization:** This product will not undergo polymerization.

Incompatibility: Avoid contact with acids, alkalies and strong oxidizing agents.

## SECTION VII-SPILL/DISPOSAL PROCEDURES

**Clean-up procedure:** Don over-alls to protect clothes from splatters. Contain spill and recover as much as possible for reuse. Collect remainder with absorbents and place in a closed container to await disposal. If spill is in an enclosed space, provide ventilation. Spilled product is very slippery. Use caution to avoid falls. Clean spill area thoroughly with soap and water before product dries. Equipment or personal property should be washed before product dries to minimize damage. Consult with local sewer or water pollution agency before discharging to a sewer or waterway.

**Waste-disposal Method:** This product is not considered a Hazardous Waste under current Federal RCRA requirements. Liquid product should not be disposed in a landfill. Liquid product generally requires some pre-disposal treatment to separate the liquid portion from polymer and pigments. This is typically done by coagulating the polymer and solids with alum and removing the liquid. The liquid portion is discharged to an appropriate industrial or public treatment works (with approval of appropriate authority) Solids should be sent to an approved landfill or preferably, incinerated. Product as a whole can be incinerated in suitable equipment.

## SECTION VIII-SPECIAL PROTECTION INFORMATION

**Ventilation:** Use local exhaust ventilation to control mists or vapors generated if product is spray-applied. Ventilation must keep exposures below regulated limits.

**Respiratory Protection:** None normally required. If exposures are anticipated to be excessive, appropriate respirators should be selected by a qualified individual.

**Eye Protection:** Safety glasses. Use chemical safety goggles if splashing could occur.

**Special Protective Equipment:** Gloves suitable for use in water and chemically resistant should be worn when contact is expected.

## SECTION IX - SPECIAL PRECAUTIONS

**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.

**Storage:** Store at temperatures between 50-100 deg F. Do not allow to freeze.

Minimize contact with air to reduce contamination with mold, fungus and other organisms which could cause decomposition or spoilage.

## SECTION X - TRANSPORTATION

DOT Proper Shipping Name: Not Regulated

DOT Primary Hazard Classification: NA

UN/NA Hazard No.: NE

EPA/DOT Reportable Quantity: NA

DOT Labels: None Required

## SECTION XI - HAZARD CODES

|               |      |                     |                    |
|---------------|------|---------------------|--------------------|
| NFPA 704 (*): |      | HMIS(**):           |                    |
| Health        | 1    | Health              | 1                  |
| Flammability  | 0    | Flammability        | 0                  |
| Reactivity    | 0    | Reactivity          | 0                  |
| Special       | None | Personal Protection | B(Gloves, goggles) |

\* NFPA=National Fire Protection Association hazard rating system based on severity of hazard under fire conditions.

\*\* HMIS=Hazardous Materials Identification System based on National Paint and Coatings Association criteria for the product as delivered.

**SECTION XII - STATE RIGHT TO KNOW LABELING**

Pennsylvania

Contains water, acrylic polymer, polyurethane polymer, blue pigment, green pigment and white pigment as non-hazardous substances greater than 5%.

Massachusetts

Contains the following "extraordinarily hazardous" substances above the 1ppm threshold but less than 1000ppm (0.1%): None. Does not contain any other Massachusetts Substance List components above their reporting threshold.

**SECTION XIII- MISCELLANEOUS**

**User's Responsibility:** This bulletin cannot cover all possible situations which the user may experience during processing. Each aspect of your operation must be examined to determine if, or 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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