

**MAYCO MSDS SHEET #11**  
**Active Products**

**SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION**

Prepared September 21, 2003

Supersedes: All previous

Distributed by: MAYCO COLORS division of Coloramics, LLC

4077 Weaver Court South

Hilliard, Ohio 43026

IN CASE OF EMERGENCY PLEASE CONTACT YOUR LOCAL POISON CONTROL CENTER

Prepared by: MSDS department

Information Telephone Number: 614-876-1171

**CERAMIC OVERGLAZE / LUSTER**

Mother of Pearl    OV-3 1/2 oz size

OV-10 4 oz size

**SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredient	CAS Number	% Weight
Turpentine	8006-64-2	10-20
Tetra Butyl Titanate	5593-70-4	10-20
Terpineol	8000-41-7	10-20
Essential Oils	IN TSCA	20-30
Rosin	8050-09-7	5 - 10
Ethethyl Acetate	141-78-6	1-5

**INGREDIENT NOTES:**

NOTE: The percentage by weight ranges for the hazardous ingredients in this product represent the approximate formulation values.

**SECTION 3 HAZARDS IDENTIFICATION**

EMERGENCY OVERVIEW: Orange - red Liquid    Terpene Odor                      Flash Point: 12 oC.

Repeated excessive exposure may cause liver and bladder damage. Prolonged or repeated exposure may cause dizziness, headache and sleepiness (central nervous system depression) Water will cause An exothermic reaction and the release of butanol.

Flammable liquid. Product will emit toxic and corrosive gases in a fire situation.

ROUTES OF ENTRY: Eyes, Skin, Inhalation, and Ingestion.

**POTENTIAL HEALTH EFFECTS:**

EYE Contact: Prolonged or repeated contact may cause irritation.

SKIN Contact: Causes mild irritation. Prolonged contact may cause dermatitis.

INHALATION: Causes irritation of the respiratory tract, dizziness and drowsiness.

May cause headache, nausea, weakness and other symptoms of central nervous system depression. May also cause allergic respiratory reactions.

INGESTION: Causes irritation, nausea, pain and possible loss of consciousness. Ingestion of the product may result in vomiting. Aspiration (breathing) of the vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.

**CHRONIC HEALTH HAZARDS:** Excessive exposure by any route may cause kidney and liver damage, and bladder damage.  
**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** May adversely affect existing medical conditions, such as eye, skin, respiratory, blood, and liver and/or kidney ailments.

#### **SECTION 4 FIRST AID MEASURES**

**EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids open during this flushing with water. Call a physician immediately.

**SKIN CONTACT:** Flush area with water while removing contaminated clothing and shoes. Follow up by washing with soap and water. Do not reuse clothing or shoes until cleaned. If irritation persists, get medical attention. Do not apply oils or ointments unless ordered by the physician.

**INHALATION:** Remove to fresh air. If breathing is difficult, give oxygen. Call a physician.

**INGESTION:** If conscious, drink a quart of water. **DO NOT INDUCE VOMITING.** Call a physician immediately. If unconscious or in convulsions, take immediately to a hospital or physician. Never induce vomiting or give anything by mouth to an unconscious person.

#### **SECTION 5 FIRE FIGHTING MEASURES**

Flash Point: 12 oC    Auto-Ignition: Not Determined    LEL: Not Determined  
UEL: Not Determined

**NFPA HAZARD CLASSIFICATION:**

Health: 2                      Flammable: 3                      Reactivity: 0

**HMIS HAZARD CLASSIFICATION:**

Health: 2\*                      Flammable: 3                      Reactivity: 0

\* Indicates the possibility of chronic health effects. See Chronic Health Hazards in Section III for more information.

**EXTINGUISHING MEDIA:** Use water spray, carbon dioxide, dry chemical or foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH/MSHA approved positive-pressure self-contained breathing apparatus and protective clothing as specified in 29 CFR 1910.156.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Flammable liquid. Product will emit toxic and corrosive gases in a fire situation.

#### **SECTION 6 ACCIDENTAL RELEASE MEASURES**

Contain spillage; soak up with inert absorbent and scoop into container for disposal. Notification of the National Response Center (800-424-8802) may be required. Refer to EPA, DOT and applicable state and local regulations for current response information.

It is recommended that each user establish a spill prevention, control and countermeasure plan (SPCC). Such plan should include procedures applicable to proper storage, control and clean up of spills, including reuse or disposal as appropriate (see Section 11: Disposal Considerations).

**\*\*NOTE\*\*** In the event of an accidental release of this material, the above procedures should be followed. Additionally, proper exposure controls and personal protection equipment should be used (see Section 8 - Exposure Control/Personal Protection) and disposal of the material should be in accordance with Section 11 - Disposal Considerations.

#### **SECTION 7 HANDLING AND STORAGE**

Store in tightly closed container. Store in a cool, dry location. Wash thoroughly after handling.

Use only with adequate ventilation. Do not breathe vapors or mists.

Wash hands and face after use.

Precautions to be Taken in Handling and Storage: Store away from feed and food. Do not eat, drink, or smoke while using.

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:	PEL-OSHA	TLV-ACGIH
TURPENTINE Cas # 800-64-2	100 ppm skin	100 ppm slin
ESSENTIAL OILS Cas # In Tsc	None established	None Established
TETRA BUTYL TITANATE Cas # 5593-70-4	500 PPM ceiling skin	50 PPM ceiling skin
ROSIN Cas # 8050-09-7	None established	Sensitizer: reduce exposure to as low as possible.
ETHYL ACETATE Cas # 141-78-6	400 PPM	400 PPM

Unless otherwise noted, all values are reported as 8-hour Time-Weighted Averages (TWAs) and total dust (particulates only). All ACGIH TLVs refer to the 1992-93 Standards. All OSHA PELs refer to 29 CFR Part 1910 Air Contaminants: Final Rule, January 19, 1989.

NOTE: As a result of the July 7, 1992 decision by the U.S. Circuit Court of Appeals (AFL-CIO v. OSHA) to vacate the 1989 PELs, OSHA will no longer enforce these new limits and will return to the pre-1989 PELs. Coloramics, however, will continue to list the more protective 1989 levels.

RESPIRATORY PROTECTION: An NIOSH/MSHA-approved respirator as necessary.

VENTILATION: General: local exhaust ventilation as necessary to control any air contaminants to within their PELs or TLVs during the use of this product.

PROTECTIVE EQUIPMENT: Safety glasses (with side shields). Chemical resistant gloves should be worn. Body protection as necessary to prevent skin contact.

### PERSONNEL SAMPLING PROCEDURE:

For Ethyl acetate: Refer to NIOSH Manual of Analytical Methods, 4th Edition, and Method 1457.

For Turpentine: Refer to NIOSH Manual of Analytical Methods, 4th Edition, and Method 1551.

For Butanol: Refer to NIOSH Manual of Analytical Methods, 4th Edition, and Method 1401.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not Determined

Melting Point: Not Determined

Vapor Density (Air=1): Not Determined

% Solubility in Water: Insoluble

Odor: Terpene odor

Specific Gravity (H<sub>2</sub>O = 1): .96 g/cc

Vapor Pressure (mm Hg): Not Determined

Evaporation Rate (Butyl Acetate=1): Not determined

Appearance: red- orange liquid

pH: Not Determined

## SECTION 10 STABILITY AND REACTIVITY DATA

Stability: Generally considered stable.

Avoid Heat, open flame, sparks and other sources of ignition.

Incompatibility (materials to avoid): Strong acids, strong oxidizing agents, strong alkali.

Water will cause an exothermic reaction and the release of butanol

Hazardous Decomposition or By-Products: Thermal decomposition will produce oxides of carbon, oxides of sulfur and metal oxide fumes.

Polymerization: Polymerization is not expected to occur.

Avoid not applicable.

## SECTION 11 TOXICOLOGICAL INFORMATION

CHEMICAL NAME	% WT.	LD50	LC50
TURPENTINE CAS No.: 8006-64-2	10-20	5760mg/kg Rat, oral	12000,mg/m3 6 hr RAT
TETRA BUTYL TITANATE CAS No.: 5593-70-4	10-20	Not available	Not available
TERPINEOL CAS No.: 108-94-1	10-20	2000 mg/kg Mouse intramuscular	Not available
ETHYL ACETATE CAS No.: 141-78-6	1-5	5,600 mg/kg oral	1,600 ppm/8 hr Rat
Rosin CAS No. 8050-09-7	5-10	Not available	Not available
ESSENTIAL OILS Cas No : in TSCA	10 - 15	2560 mg/kg Rat Oral	Not determined

NOTE: See Sections 3, 8 and 12 for additional information.

## SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY No Data available

ENVIRONMENTAL FATE No Data available

## SECTION 13 DISPOSAL CONSIDERATIONS

US EPA Waste Number: D001

Federal, state and local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. All waste materials should be reviewed to determine the applicable hazards (testing may be necessary). Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

**\*\*NOTE\*\*** Chemical additions, processing or otherwise altering this material may make the waste management information presented above incomplete, inaccurate or otherwise inappropriate.

## SECTION 14 TRANSPORTATION INFORMATION

INTERNATIONAL: UN Number: UN1993

UNITED STATES: EPA Waste Number: D001

DOT Classification: 3 Flammable and combustible liquid

DOT Proper Shipping Name: Flammable Liquid, n.o.s.

Contains Ethyl acetate and turpentine

Packing Group: I I  
CANADA: PIN Number: UN1993 EC DGL; not determined  
TDG Class: 3 Flammable and combustible liquid

## SECTION 15 REGULATORY INFORMATION

### US FEDERAL REGULATIONS

TSCA: IN TSCA

### SARA 311 AND 312 HAZARD CATEGORIES

Immediate (Acute) Health Hazard: Yes  
Delayed (Chronic) Health Hazard: Yes  
Fire Hazard: Yes  
Reactivity Hazard: No  
Sudden Release of Pressure: No

SARA SECTION 313 NOTIFICATION: This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

OZONE DEPLETING SUBSTANCES (ODS): This product neither contains nor is manufactured with an ozone depleting substance subject to the labeling requirements of the Clean Air Act Amendments 1990 and 40 CFR Part 82.

VOLATILE ORGANIC COMPOUNDS (VOC): Not determined.

US STATE REGULATIONS: Volatile Organic Compound (CARB): Not Determined

CANADIAN REGULATIONS: DSL/NDSL: Not Determined

WHMIS Classification:

Class B division 2

Class D Division 2 subdivision A

Class D division 2 subdivision B

EU Status:

Symbol- None for product

Turpentine UN number: 1299 / 1300

R 10- Flammable

Harmful (Xn)

R 20/21/22 Harmful by inhalation, skin contact and if swallowed.

Rosin (tall oil) UN number: none allocated

R 43 - May cause sensitization by skin contact

## SECTION 16 ADDITIONAL INFORMATION

The information in this Material Safety Data Sheet should be provided to all that will use, handle, store, transport, or otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations, and management and for persons working with or handling this product. The information presented in the MSDS is premised upon proper handling and anticipated uses and is for the material without chemical additions/alterations. We believe this information to be reliable and up to date as of the date of publication, but make no warranty that it is. Additionally, if this Material Safety Data Sheet is more than three years old, please contact the supplier at the phone number listed in Section 1 to make certain that this sheet is current.

For more information in AUSTRALIA see web sight [www.nohsc.gov.au](http://www.nohsc.gov.au)