

MAYCO MSDS SHEET #9
Active Products

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

Prepared: September, 2003
Supersedes: All previous
Manufacturer: MAYCO COLORS division of Coloramics, LLC
4077 Weaver Court South
Hilliard, Ohio 43026
United States of America
Distributor: USA Local Phone
EC Local Phone
Australia Local Phone

IN CASE OF EMERGENCY PLEASE CONTACT YOUR LOCAL POISON CONTROL CENTER

Prepared by: MSDS department
Information Telephone Number: 614-876-1171

Liquid Bright Gold: OV-1

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	% Weight
Camphor	76-22-2	5 - 10
Benzyl Acetate	140-11-4	5 - 10
Cyclohexanone	108-94-1	10 - 15
Essential Oils	IN TSCA	10 - 15
Rosin	8050-09-7	5 - 10
Ethethyl Acetate	141-78-6	1 - 5
Ligroine	8032-32-4	< 2

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: Brown Liquid, Camphor Liquid
Flash Point: 39° C.

Repeated excessive exposure may cause liver and kidney damage. Prolonged or repeated contact may cause irritation to eyes, skin and respiratory tract. Harmful if large amounts are swallowed.

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.

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.

Carcinogenicity: NTP: NO IARC: NO OSHA: NO

CHRONIC HEALTH HAZARDS: Excessive exposure by any route may cause kidney and liver damage, and blood disorders. Anesthetic or narcotic effects with nausea and/or vomiting may be observed.
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: 38° C Auto-Ignition: Not Determined LEL: Not Determined
UEL: Not Determined

NFPA HAZARD CLASSIFICATION:

Health: 2 Flammable: 2 Reactivity: 0

HMIS HAZARD CLASSIFICATION:

Health: 2* Flammable: 2 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
CYCLOHEXANONE Cas # 108-94-1	25 ppm skin	25 ppm slin
ESSENTIAL OILS Cas # In Tscs	None established	None Established
CAMPHOR Cas # 76-22-2	2 mg/M 3	12 mg/M3 19 mg/M3 STEL
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
LIGROINE Cas # 8032-32-4	300 PPM	300 PPM 400 PPM STEL

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: A 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 Camphor: Refer to NIOSH Manual of Analytical Methods, 3rd Edition, and Method 1401.

For Cyclohexanone: Refer to NIOSH Manual of Analytical Methods, 3rd Edition, Volume 2, and Method 1300.

For Ethyl Acetate: Refer to NIOSH Manual of Analytical Methods, 3rd Edition, and Volume 1, Method S49.

For VM&P Naphtha: Refer to NIOSH Manual of Analytical Methods, 3rd Edition, and Method 15

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: Camphor odor

Specific Gravity (H₂O = 1): 1.11 g/cc

Vapor Pressure (mm Hg): Not Determined

Evaporation Rate (Butyl Acetate=1): Not determined

Appearance: Brown liquid

pH: Not Determined

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Generally considered stable.

Avoid: None expected

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

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
CAMPHOR CAS No.: 76-2-2	5 - 10	1,310 mg/kg Mouse, oral	Not Determined
BENZYL ACETATE CAS No.: 140-11-4	5-10	2,490 mg/kg Rat, oral	245 ppm/8 hr Cat
CYCLOHEXANONE CAS No.: 108-94-1	10-15	948 mg/kg Rabbit, skin	8,000 ppm/4 hr Rat
ETHYL ACETATE CAS No.: 141-78-6	1-5	5,600 mg/kg oral	1,600 ppm/8 hr Rat
LIGROINE CAS No. 8032-32-4	< 2	40 mg/kg Mouse, intravenous	3,400 ppm/4 hr Rat
ESSENTIAL OILS Cas No : in TSCA	10 - 15	2560 mg/kg Rat Oral	Not determined

NOTE: See Sections III, VIII and XII 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.

Packing Group: III

CANADA: PIN Number: UN1993

TDG Class: 3 Flammable and combustible liquid

EC DGL: Not Determined

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: Not Determined

EU Status:

Symbol- None for product

Camphor UN number: 2717
Cyclohexanone UN number: 1915

R 10- Flammable
Harmful (Xn)
R 20 - harmful by inhalation

Rosin (tall oil) UN number: none allocated
R 43 - May cause sensitization by skin contact

Ligroine UN Number: 1255, 1256, 1271, 2523
R 45 - may cause cancer
Harmful (Xn)
R 65 - Harmful, may cause lung damage is swallowed

WHMIS Status: Not Controlled

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.