

MATERIAL SAFETY DATA SHEET

W35814
30 00

DATE OF PREPARATION
May 28, 2016

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

W35814

PRODUCT NAME

RESISTANT™ Catalyzed Pigmented Varnish, White Satin

MANUFACTURER'S NAME

M. L. CAMPBELL
101 W. Prospect Avenue
Cleveland, OH 44115

Telephone Numbers and Websites

| | |
|--|--------------------------------------|
| Product Information | (800) 364-1359 www.mlcampbell.com |
| Regulatory Information | (216) 566-2902 www.paintdocs.com |
| Medical Emergency | (216) 566-2917 |
| Transportation Emergency* | (800) 424-9300 |
| <i>*for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)</i> | |

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

| % by Weight | CAS Number | Ingredient | Units | Vapor Pressure |
|-------------|------------|-------------------------------------|--|--|
| 2 | 64-17-5 | Ethanol | ACGIH TLV OSHA PEL | 44 mm |
| | | | 1000 PPM 1000 PPM | |
| 2 | 67-63-0 | 2-Propanol | ACGIH TLV ACGIH TLV OSHA PEL | 33 mm |
| | | | 200 PPM 400 PPM STEL 400 PPM | |
| 4 | 71-36-3 | 1-Butanol | ACGIH TLV OSHA PEL | 5.5 mm |
| | | | 20 PPM 50 ppm (Skin) CEILING | |
| < 0.1 | 50-00-0 | Formaldehyde (max.) | ACGIH TLV OSHA PEL OSHA PEL | 27.56 mm |
| | | | 0.3 PPM CEILING 0.75 PPM 2 PPM STEL | (See SECTION 8 for additional information) |
| 28 | 123-86-4 | n-Butyl Acetate | ACGIH TLV ACGIH TLV OSHA PEL OSHA PEL | 10 mm |
| | | | 150 PPM 200 PPM STEL 150 PPM 200 PPM STEL | |
| 5 | 108-65-6 | 1-Methoxy-2-Propanol Acetate | ACGIH TLV OSHA PEL | 1.8 mm |
| | | | Not Available Not Available | |
| 2 | 84-74-2 | Dibutyl Phthalate | ACGIH TLV OSHA PEL | |
| | | | 5 MG/M3 5 MG/M3 | |
| 22 | 13463-67-7 | Titanium Dioxide | ACGIH TLV OSHA PEL OSHA PEL | |
| | | | 10 mg/m3 as Dust 10 mg/m3 Total Dust 5 mg/m3 Respirable Fraction | |

SECTION 3 — HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

Prolonged overexposure to hazardous ingredients in Section 2 may cause adverse chronic effects to the following organs or systems:

- the liver
- the urinary system
- the hematopoietic (blood-forming) system

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

May cause allergic respiratory and/or skin reaction in susceptible persons.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

HMIS Codes

| | |
|--------------|----|
| Health | 2* |
| Flammability | 3 |
| Reactivity | 0 |

SECTION 4 — FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

SKIN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and laundry before re-use.

INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

INGESTION: Do not induce vomiting. Get medical attention immediately.

SECTION 5 — FIRE FIGHTING MEASURES

FLASH POINT

78 °F PMCC

LEL

1.3

UEL

19.0

FLAMMABILITY CLASSIFICATION

RED LABEL -- Flammable, Flash below 100 °F (38 °C)

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area.

Remove with inert absorbent.

SECTION 7 — HANDLING AND STORAGE

STORAGE CATEGORY

DOL Storage Class IC

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Contents are FLAMMABLE. Keep away from heat, sparks, and open flame.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally.

Keep out of the reach of children.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE

Contains a formaldehyde-based resin which, under certain conditions of use, may release Formaldehyde.

Before initial use, consult OSHA's 'Standard for Occupational Exposure to Formaldehyde' (29 CFR 1910.1048).

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m³ (total dust), 3 mg/m³ (respirable fraction), OSHA PEL 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

A properly fitted, full face respirator effective for particulates, organic solvents, and formaldehyde or an air supplied respirator must be worn, unless air monitoring demonstrates vapor/mist concentrations are below permissible limits. Follow respirator manufacturers directions for respirator use.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS

This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|---------------------|--|
| PRODUCT WEIGHT | 9.88 lb/gal | 1183 g/l |
| SPECIFIC GRAVITY | 1.19 | |
| BOILING POINT | 172 - 302 °F | 77 - 150 °C |
| MELTING POINT | Not Available | |
| VOLATILE VOLUME | 58% | |
| EVAPORATION RATE | Slower than ether | |
| VAPOR DENSITY | Heavier than air | |
| SOLUBILITY IN WATER | Not Available | |
| VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged) | | |
| | 4.24 lb/gal 508 g/l | Less Water and Federally Exempt Solvents |
| | 4.23 lb/gal 508 g/l | Emitted VOC |

SECTION 10 — STABILITY AND REACTIVITY

STABILITY — Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

SECTION 11 — TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Formaldehyde, listed by IARC, NTP and OSHA, has been shown to cause cancer of the nasal cavity in rats exposed to high levels. Available evidence in humans is inconclusive.

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

TOXICOLOGY DATA

| CAS No. | Ingredient Name | | | |
|------------|------------------------------|----------------------|-----|--------------------------------|
| 64-17-5 | Ethanol | LC50 RAT LD50 RAT | 4HR | Not Available 7060 mg/kg |
| 67-63-0 | 2-Propanol | LC50 RAT LD50 RAT | 4HR | Not Available 5045 mg/kg |
| 71-36-3 | 1-Butanol | LC50 RAT LD50 RAT | 4HR | 8000 ppm 790 mg/kg |
| 50-00-0 | Formaldehyde (max.) | LC50 RAT LD50 RAT | 4HR | Not Available Not Available |
| 123-86-4 | n-Butyl Acetate | LC50 RAT LD50 RAT | 4HR | 2000 ppm 13100 mg/kg |
| 108-65-6 | 1-Methoxy-2-Propanol Acetate | LC50 RAT LD50 RAT | 4HR | Not Available 8500 mg/kg |
| 84-74-2 | Dibutyl Phthalate | LC50 RAT LD50 RAT | 4HR | Not Available 8000 mg/kg |
| 13463-67-7 | Titanium Dioxide | LC50 RAT LD50 RAT | 4HR | Not Available Not Available |

SECTION 12 — ECOLOGICAL INFORMATION**ECOTOXICOLOGICAL INFORMATION**

No data available.

SECTION 13 — DISPOSAL CONSIDERATIONS**WASTE DISPOSAL METHOD**

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

SECTION 14 — TRANSPORT INFORMATION

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

US Ground (DOT)

5 Liters (1.3 Gallons) and Less may be Classed as LTD. QTY. (PAINT OR RELATED).

Larger Containers are Regulated as:
UN1263, PAINT, 3, PG III, (ERG#128)

DOT (Dept of Transportation) Hazardous Substances & Reportable Quantities

n-Butyl acetate 5000 lb RQ
Di-n-butyl phthalate 10 lb RQ

Bulk Containers may be Shipped as (check reportable quantities):

RQ, UN1263, PAINT, 3, PG III, (DI-N-BUTYL PHTHALATE), (ERG#128)

Canada (TDG)

UN1263, PAINT, 3, PG III, LIMITED QUANTITY, (ERG#128)

IMO

5 Liters (1.3 Gallons) and Less may be Shipped as Limited Quantity.
UN1263, PAINT, 3, PG III, (26 C c.c.), EmS F-E, S-E

IMO

5 Liters (1.3 Gallons) and Less may be Shipped as Limited Quantity.
UN1263, PAINT, 3, PG III, (26 C c.c.), EmS F-E, S-E

IATA/ICAO

UN1263, PAINT, 3, PG III

SECTION 15 — REGULATORY INFORMATION**SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION**

| CAS No. | CHEMICAL/COMPOUND | % by WT | % Element |
|---------|-------------------|---------|-----------|
| 71-36-3 | 1-Butanol | 4 | |
| 84-74-2 | Dibutyl Phthalate | 2 | |

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

SECTION 16 — OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.