

MATERIAL SAFETY DATA SHEET

MC123319A
09 00

DATE OF PREPARATION
Sep 22, 2014

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

MC123319A

PRODUCT NAME

FD Vinyl Sealer

MANUFACTURER'S NAME

M. L. CAMPBELL

101 Prospect Avenue N.W.

Cleveland, OH 44115

Telephone Numbers and Websites

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|--|-------------------------------------|
| 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 | 142-82-5 | Heptane | ACGIH TLV | 400 PPM | 50 mm |
| | | | ACGIH TLV | 500 PPM STEL | |
| | | | OSHA PEL | 400 PPM | |
| | | | OSHA PEL | 500 PPM STEL | |
| 5 | 64742-89-8 | Lt. Aliphatic Hydrocarbon Solvent | ACGIH TLV | 300 PPM | 12 mm |
| | | | OSHA PEL | 300 PPM | |
| 1 | 108-88-3 | Toluene | ACGIH TLV | 20 PPM | 22 mm |
| | | | OSHA PEL | 100 ppm (Skin) | |
| | | | OSHA PEL | 150 ppm (Skin) STEL | |
| 0.3 | 100-41-4 | Ethylbenzene | ACGIH TLV | 20 PPM | 7.1 mm |
| | | | OSHA PEL | 100 PPM | |
| | | | OSHA PEL | 125 PPM STEL | |
| 2 | 1330-20-7 | Xylene | ACGIH TLV | 100 PPM | 5.9 mm |
| | | | ACGIH TLV | 150 PPM STEL | |
| | | | OSHA PEL | 100 PPM | |
| | | | OSHA PEL | 150 PPM STEL | |
| 13 | 67-63-0 | 2-Propanol | ACGIH TLV | 200 PPM | 33 mm |
| | | | ACGIH TLV | 400 PPM STEL | |
| | | | OSHA PEL | 400 PPM | |
| 4 | 78-83-1 | 2-Methyl-1-propanol | ACGIH TLV | 50 PPM | 8.7 mm |
| | | | OSHA PEL | 50 PPM | |
| < 0.1 | 50-00-0 | Formaldehyde (max.) | (See SECTION 8 for additional information) | | 27.56 mm |
| | | | ACGIH TLV | 0.3 PPM CEILING | |
| | | | OSHA PEL | 0.75 PPM | |
| | | | OSHA PEL | 2 PPM STEL | |
| 28 | 67-64-1 | Acetone | ACGIH TLV | 500 PPM | 180 mm |
| | | | ACGIH TLV | 750 PPM STEL | |
| | | | OSHA PEL | 1000 PPM | |
| 25 | 123-86-4 | n-Butyl Acetate | ACGIH TLV | 150 PPM | 10 mm |
| | | | ACGIH TLV | 200 PPM STEL | |
| | | | OSHA PEL | 150 PPM | |
| | | | OSHA PEL | 200 PPM STEL | |

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.

HMIS Codes

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

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
- the cardiovascular system
- the reproductive 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.

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 launder 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 | LEL | UEL | FLAMMABILITY CLASSIFICATION |
| -4 °F PMCC | 0.9 | 12.8 | RED LABEL -- Extremely Flammable, Flash below 21 °F (-6 °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 IB

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Contents are EXTREMELY FLAMMABLE. Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

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.

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| SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES |
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|---|--|-------------|
| PRODUCT WEIGHT | 7.21 lb/gal | 864 g/l |
| SPECIFIC GRAVITY | 0.87 | |
| BOILING POINT | 132 - 325 °F | 55 - 162 °C |
| MELTING POINT | Not Available | |
| VOLATILE VOLUME | 86% | |
| EVAPORATION RATE | Slower than ether | |
| VAPOR DENSITY | Heavier than air | |
| SOLUBILITY IN WATER | Not Available | |
| VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged) | | |
| | 5.52 lb/gal | 661 g/l |
| | 3.80 lb/gal | 455 g/l |
| | Less Water and Federally Exempt Solvents Emitted VOC | |

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| SECTION 10 — STABILITY AND REACTIVITY |
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STABILITY — Stable**CONDITIONS TO AVOID**

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

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| SECTION 11 — TOXICOLOGICAL INFORMATION |
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CHRONIC HEALTH HAZARDS

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

Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations. There is no evidence that ethylbenzene causes cancer in humans.

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.

TOXICOLOGY DATA

| CAS No. | Ingredient Name | | | |
|------------|-----------------------------------|----------------------|-----|--------------------------------|
| 142-82-5 | Heptane | LC50 RAT LD50 RAT | 4HR | Not Available Not Available |
| 64742-89-8 | Lt. Aliphatic Hydrocarbon Solvent | LC50 RAT LD50 RAT | 4HR | Not Available Not Available |
| 108-88-3 | Toluene | LC50 RAT LD50 RAT | 4HR | 4000 ppm 5000 mg/kg |
| 100-41-4 | Ethylbenzene | LC50 RAT LD50 RAT | 4HR | Not Available 3500 mg/kg |
| 1330-20-7 | Xylene | LC50 RAT LD50 RAT | 4HR | 5000 ppm 4300 mg/kg |
| 67-63-0 | 2-Propanol | LC50 RAT LD50 RAT | 4HR | Not Available 5045 mg/kg |
| 78-83-1 | 2-Methyl-1-propanol | LC50 RAT LD50 RAT | 4HR | Not Available 2460 mg/kg |
| 50-00-0 | Formaldehyde (max.) | LC50 RAT LD50 RAT | 4HR | Not Available Not Available |
| 67-64-1 | Acetone | LC50 RAT LD50 RAT | 4HR | Not Available 5800 mg/kg |
| 123-86-4 | n-Butyl Acetate | LC50 RAT LD50 RAT | 4HR | 2000 ppm 13100 mg/kg |

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 II, (ERG#128)

DOT (Dept of Transportation) Hazardous Substances & Reportable Quantities

Acetone 5000 lb RQ

n-Butyl acetate 5000 lb RQ

Xylenes (isomers and mixture) 100 lb RQ

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

UN1263, PAINT, 3, PG II, (ERG#128)

Canada (TDG)

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

IMO

5 Liters (1.3 Gallons) and Less may be Shipped as Limited Quantity.

UN1263, PAINT, CLASS 3, PG II, (-20 C c.c.), EmS F-E, S-E

IATA/ICAO

UN1263, PAINT, 3, PG II

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

| CAS No. | CHEMICAL/COMPOUND | % by WT | % Element |
|-----------|-------------------|---------|-----------|
| 108-88-3 | Toluene | 1 | |
| 100-41-4 | Ethylbenzene | 0.2 | |
| 1330-20-7 | Xylene | 2 | |

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.