



*"Purveyors of the finest decking materials"*

## Material Safety Data Sheet

Material: DECK COAT OVERLAY PRIMER

### 1 Product and company identification

#### 1.1 Identification of the substance or preparation:

Commercial product name:	DECK COAT OVERLAY PRIMER
Product group:	Polymer Dispersion
Use of substance / preparation	Industrial. Binder for: Building materials , plasters . All other areas of application to be agreed with the Application Engineering/ Technical Marketing Department of the manufacturer.

#### 1.2 Company/undertaking identification:

Manufacturer/distributor:	McKinnon Materials, Inc. 5612 56th Commerce Park Blvd Tampa, FL 33610 Phone (813) 622-7031 Toll Free 866-622-7031 Fax (813-621-9017
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#### Customer information:

McKinnon Materials, Inc.  
5612 56th Commerce Park Blvd  
Tampa, FL 33610  
Phone (813) 622-7031  
Toll Free 866-622-7031  
Fax (813-621-9017  
Hours of operation:  
Monday - Friday, 8:30 am to 5 pm (est)  
Corporate website: [www.mckinnonmaterials.com](http://www.mckinnonmaterials.com)  
**Emergency telephone no. (24h):** (800) 424-9300  
**Transportation emergency:** (800) 424-9300  
(CHEMTREC, USA)

### 2 Composition/information on ingredients

#### 2.1 Chemical characterization (preparation)

##### Chemical characteristics

Copolymer of: vinyl acetate + ethylene (dispersion in water).

#### 2.2 Information on ingredients:

This material does not contain any hazardous substances at or above OSHA and MHMIS reportable levels.

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Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens /Reproductive Toxins" that are not listed in Section 2 are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic HAPS or they are inextricably bound in the product.

### 3 Hazards identification

#### 3.1 Hazards classifications

**HMIS® rating (product as packaged):**

Health: 1

Fire: 0

Reactivity: 0

PPE: B

Hazardous Materials Identification System and HMIS are registered trademarks of the National Paint and Coatings Association. (HMIS codes are based on contact with the product as packaged and any hydrolysis by-products, if present.)

**Canadian MHMIS Classification:** None.

#### 3.2 Emergency overview and potential hazards

**Physical Hazards:**

No known physical hazards.

**Acute health effects**

**Route of entry or possible contact:**

Eyes, skin , inhalation , ingestion .

**Eye contact:**

May cause slight eye irritation.

**Skin contact:**

May cause an allergic skin reaction.

**Inhalation:**

No acute toxic respiratory tract effects are expected.

**Ingestion:**

Ingestion is not expected in industrial use.

**Additional information on acute health effects:**

The toxicological evaluation is based on known effects of the active ingredient(s).

#### 3.3 Further information:

**Chronic health effects:**

Contains chemical(s) present at < 0.1% which may cause: skin sensitization.

**Medical conditions which may be aggravated by exposure:** Unknown

**Carcinogens/Reproductive toxins:**

This material does not contain any reproductive toxins at or above OSHA or MHMIS reportable levels. There are no carcinogenic ingredients present at or over 0.1% in this material.

See Section 11 for Toxicological Information, if any.

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### 4 First-aid measures

#### 4.1 General information:

Get medical attention if irritation or other symptoms occur. Before seeking medical attention remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.

#### 4.2 After inhalation

If inhaled as aerosol, remove to fresh air. No special measures required.

#### 4.3 After contact with the skin

If contact with skin, immediately flush skin with plenty of water for at least 15 min. Wash with soap and water.

#### 4.4 After contact with the eyes

If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 min.

#### 4.5 After swallowing

For ingestion, if conscious, give several glasses of water but do not induce vomiting. If vomiting does occur, give additional fluids.

### 5 Fire-fighting measures

#### 5.1 Flammable properties: Method

Flash point.....: not applicable

Boiling point / boiling range.....: approx. 100 °C (212 °F) at 1013 hPa

Lower explosion limit (LEL).....: not applicable

Ignition temperature .....: not applicable

#### 5.2 Fire and explosion hazards:

Material does not burn. Dried up material is combustible. This material does not present any unusual fire or explosion hazards.

#### 5.3 Recommended extinguishing media:

Use extinguishing measures appropriate to the source of fire. Water may be used to cool tanks and structures adjacent to the fire.

#### 5.4 Unsuitable extinguishing media:

not applicable

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#### 5.5 Special exposure hazards arising from the substance or preparation itself, combustion products,

resulting gases

not applicable .

#### 5.6 Fire fighting procedures:

Fire fighters should wear full protective clothing including a self-contained breathing apparatus.

### 6 Accidental release measures

#### 6.1 Precautions:

Wear personal protection equipment (see section 8). If material is released indicate risk of slipping.

## **HAZWOPER PPE Level: C**

### **6.2 Containment:**

Prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material (e.g. earth).

Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.

### **6.3 Methods for cleaning up**

Take up mechanically and dispose of according to local/state/federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean up with plenty of water. Dispose of cleansing water in accordance with local/state/federal regulations.

## **7 Handling and storage**

### **7.0 General information:**

Avoid exposure by technical measures or personal protective equipment.

### **7.1 Handling**

#### **Precautions for safe handling:**

Spilled substance increases risk of slipping.

#### **Precautions against fire and explosion:**

No special precautions against fire and explosion required.

### **7.2 Storage**

#### **Conditions for storage rooms and vessels:**

Protect against frost.

#### **Advice for storage of incompatible materials:**

not applicable .

#### **Further information for storage:**

not applicable .

**Minimum temperature allowed during storage and transportation:** 0 °C (32 °F)

## **8 Exposure controls and personal protection**

### **8.1 Engineering controls**

#### **Ventilation:**

Use with adequate ventilation.

#### **Local exhaust:**

not necessary

### **8.2 Associate substances with specific control parameters such as limit values**

#### **Maximum airborne concentrations at the workplace:**

##### **CAS No. Material Type mg/m<sup>3</sup> ppm Dust fract.**

108-05-4 Vinyl acetate ACGIH TWA 10.0

Re Vinyl acetate (CAS no. 108-05-4): STEL is 15 ppm, carcinogenicity: A3 (ACGIH).

### **8.3 Personal protection equipment (PPE)**

#### **Respiratory protection:**

not necessary

#### **Hand protection:**

rubber gloves

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#### **Eye protection:**

chemical safety goggles

**Other protective clothing or equipment:**

protective clothing to cover exposed areas of arms, legs and torso

**8.4 General hygiene and protection measures:**

Avoid contact with eyes, skin and clothing. Do not eat or drink when handling. Wash thoroughly after handling.

**9 Physical and chemical properties****9.1 Appearance**

Physical state / form.....: liquid

Colour.....: white

Odour.....: slight

**9.2 Safety parameters Method**

Melting point / melting range.....: approx. 0.00 °C (32 °F)

Boiling point / boiling range.....: approx. 100 °C (212 °F) at 1013 hPa

Flash point.....: not applicable

Ignition temperature .....: not applicable

Lower explosion limit (LEL).....: not applicable

Vapour pressure.....: 23 hPa at 20 °C (68 °F)

Density.....: 1.05 g/cm<sup>3</sup>

Water solubility / miscibility.....: moderately soluble

pH-Value.....: 4.0 - 5.0 (WACKERmethod)

Viscosity (dynamic).....: 1800 - 2700 mPa.s (BROOKFIELD)

**9.3 Further information**

VOC .....: 2.43 g/l (calculated value)

**10 Stability and reactivity****10.0 General information:**

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

**10.1 Conditions to avoid**

none known .

**10.2 Materials to avoid**

none known .

**10.3 Hazardous decomposition products**

If stored and handled in accordance with standard industrial practices and local regulations where applicable: none known . At increased temperature: acetic acid .

**10.4 Further information:**

Hazardous polymerization cannot occur.

**11 Toxicological information****11.1 General information:**

Toxicological testing has been conducted with similar product(s).

**11.2 Toxicological data:****Acute toxicity (LD50/LC50-values relevant to classification):****Exposition Value/value range Species Source**

oral > 2000 mg/kg rat (Limit Test) test report

**Primary irritation:****Exposition Effect Species/Testsystem Source**

to eyes mildly irritating rabbit test report

**Experience with man**

During manufacture and use: No information on damage to health.

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**12 Ecological information**

**12.1 Information on elimination (persistence and degradability)**

**Biodegradation / further information:**

Not readily biodegradable.

**Further information:**

Polymer component: Elimination by adsorption to activated sludge. Separation by flocculation is possible.

**12.2 Behaviour in environmental compartments**

**Mobility**

-

**Further information:**

No adverse effects expected.

**12.3 Ecotoxicological effects:**

**Species Test method Exp. time Result Source**

carp (Cyprinus carpio) acute 96 h > 1000 mg/l (LC50) test report

No expected damaging effects to aquatic organisms.

**Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):**

**Test system Exp. time Result Source**

sludge 0,5 h > 1000 mg/l (EC10) test report

According to current knowledge adverse effects on water purification plants are not expected.

**12.4 Additional information**

**Other harmful effects**

-

**General information:**

Prevent material from entering surface waters and soil. Only introduce into water purification plants in diluted state. No environmental problems expected if handled and treated in accordance with standard industrial practices and local regulations where applicable. The ecotoxicological results provided were obtained from tests with similar products.

**13 Disposal considerations**

**13.1 Product disposal**

**Recommendation:**

Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations. After chemical deflocculation: Can be disposed of as household waste. Local legislation must be observed.

**13.2 Packaging disposal**

**Recommendation:**

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

**Recommended cleaning agent:**

water

**14 Transport information**

**14.1 US DOT & CANADA TDG SURFACE**

Valuation.....: Not regulated for transport

Other Information.....: Protect from freezing.

**14.2 Transport by sea IMDG-Code**

Valuation.....: Not regulated for transport

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**14.3 Air transport ICAO-TI/IATA-DGR**

Valuation.....: Not regulated for transport

**15 Regulatory information****15.1 U.S. Federal regulations****TSCA inventory status and TSCA information:**

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

**TSCA 12(b) Export Notification:**

This material does not contain any TSCA 12(b) regulated chemicals.

**CERCLA Regulated Chemicals:**

This material does not contain any CERCLA regulated chemicals.

**SARA 302 EHS Chemicals:**

This material does not contain any SARA extremely hazardous substances.

**SARA 311/312 Hazard Class:**

This product does not present any SARA 311/312 hazards.

**SARA 313 Chemicals:**

This material does not contain any SARA 313 chemicals above de minimus levels.

**HAPS (Hazardous Air Pollutants):**

108-05-4 Vinyl acetate

50-00-0 Formaldehyde

**15.2 U.S. State regulations****California Proposition 65 Carcinogens:**

50-00-0 Formaldehyde

**California Proposition 65 Reproductive Toxins:**

This material does not contain any chemicals known to the state of California to cause reproductive effects.

**Massachusetts Substance List:**

This material contains no listed components.

**New Jersey Right-to-Know Hazardous Substance List:**

This material contains no listed components.

**Pennsylvania Right-to-Know Hazardous Substance List:**

This material contains no listed components.

**15.3 Canadian regulations**

This product has been classified in accordance with the Hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Classes:**

None.

**DSL Status:**

This material or its components are listed on the Canadian Domestic Substances List.

**Canadian Ingredient Disclosure List:**

This material contains no listed components.

**15.4 Other international regulations****EU Hazard Symbols:**

Xi Irritant

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**EU Risk Phrases:**

**R-Phrase Description**

R43 May cause sensitization by skin contact.

**EU Safety Phrases:**

**S-Phrase Description**

S36/37 Wear suitable protective clothing and gloves.

**Details of international registration status**

Listed on or in accordance with the following inventories:

IECSC - China

TSCA - USA

ENCS - Japan

ECL - Korea

DSL - Canada

EINECS - Europe

**16 Other information**

**16.1 Additional information:**

This Material Safety Data Sheet (MSDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents. This MSDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

Vertical lines in the left-hand margin indicate changes compared with the previous version.

**16.2 Glossary of Terms:**

ACGIH - American Conference of Governmental  
Industrial Hygienists

DOT - Department of Transportation

hPa - Hectopascals

mPa\*s - Milli Pascal-Seconds

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

ppm - Parts per Million

SARA - Superfund Amendments and Reauthorization Act

STEL - Short Term Exposure Limit

TSCA - Toxic Substances Control Act

TWA - Time Weighted Average

WHMIS - Canadian Workplace Hazardous Materials  
Identification System

**Flash point determination methods Common name**

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ASTM D56 Tagliabue (Tag) closed cup  
ASTM D92, DIN 51376, ISO 2592 Cleveland open cup  
ASTM D93, DIN 51758, ISO 2719 Pensky-Martens closed cup  
ASTM D3278, DIN 55680, ISO 3679 Setaflash or Rapid closed cup  
DIN 51755 Abel-Pensky closed cup

**16.3 Conversion table:**

Pressure:

Viscosity:

1 hPa \* 0.75 = 1 mm Hg = 1 torr; 1 bar = 1000 hPa

1 mPa\*s = 1 centipoise (cP)