



## SAFETY DATA SHEET

### SECTION 1 – IDENTIFICATION

**Product Information** : M231-4416  
**Product Name** : FIL-STIK® FROST  
**Recommended Use** : Surface Preparation or Protection  
**Supplier's name and address** : Armstrong World Industries, Inc.  
2500 Columbia Avenue  
Lancaster, PA USA 17603  
**Company Phone Number** : (800) 233-3823  
**Website Address** : <http://www.floorexpert.com>  
**24 Hr Emergency Telephone #** : CHEM-TEL: 1-800-255-3924 OR 1-813-248-0585 (call collect)

### SECTION 2 – HAZARDS IDENTIFICATION

GHS Classification

Symbol(s) of Product

This material is not classified as hazardous by the Globally Harmonized System (GHS) or by Occupational Safety & Health Administration (OSHA) Hazard Communication criteria

Signal Word

No Signal Word has been assigned

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name    | CAS-No.    | Wt %   | GHS Symbols    | GHS Statements |
|------------------|------------|--------|----------------|----------------|
| polyethylene wax | 8002-74-2  | 25-50  | No Information | No Information |
| titanium dioxide | 13463-67-7 | 2.5-10 | No Information | No Information |
| cetyl alcohol    | 36653-82-4 | 2.5-10 | No Information | No Information |

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

#### 4. First-aid Measures



FIRST AID - EYE CONTACT: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

FIRST AID - SKIN CONTACT: IF ON SKIN: Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

FIRST AID - INGESTION: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

FIRST AID - INHALATION: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

#### 5. Fire-fighting Measures

SPECIAL FIREFIGHTING PROCEDURES: This product is not expected to burn under normal conditions of use.

FIREFIGHTING EQUIPMENT: None.

#### 6. Accidental Release Measures

ENVIRONMENTAL MEASURES: No Information

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up or vacuum up spillage and collect in suitable container for disposal.

#### 7. Handling and Storage



HANDLING: Avoid inhalation and contact with eyes, skin, and clothing. Wash hands thoroughly after handling and before eating or drinking. In keeping with safe handling practices, avoid ignition sources (smoking, flames, pilot lights, electrical sparks); ground and bond containers when transferring the material to prevent static electricity sparks that could ignite vapor and use spark proof tools and explosion proof equipment. Empty containers may retain product residue or vapor. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury.

STORAGE: Keep containers closed when not in use. Store in cool well ventilated space away from incompatible materials.

#### 8. Exposure Controls/Personal Protection

##### Ingredients with Occupational Exposure Limits

| <u>Chemical Name</u> | <u>ACGIH TLV-TWA</u> | <u>ACGIH-TLV STEL</u> | <u>OSHA PEL-TWA</u>  | <u>OSHA PEL-CEILING</u> |
|----------------------|----------------------|-----------------------|----------------------|-------------------------|
| polyethylene wax     | 2 mg/m <sup>3</sup>  | N.D.                  | N.D.                 | N.D.                    |
| cetyl alcohol        | N.D.                 | N.D.                  | N.D.                 | N.D.                    |
| titanium dioxide     | 10 mg/m <sup>3</sup> | N.D.                  | 15 mg/m <sup>3</sup> | N.D.                    |

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation  
Sk = Skin Sensitizer N.E. = Not Established N.D. = Not Determined

## Personal Protection



RESPIRATORY PROTECTION: In case of insufficient ventilation wear suitable respiratory equipment



SKIN PROTECTION: For prolonged or repeated contact use protective gloves.



EYE PROTECTION: Safety glasses



OTHER PROTECTIVE EQUIPMENT: No Information



HYGIENIC PRACTICES: It is good practice to avoid contact with the product and/or its vapors, mists or dust by using appropriate protective measures. Wash thoroughly after handling and before eating or drinking.

## 9. Physical and Chemical Properties

|                                |                           |   |                |
|--------------------------------|---------------------------|---|----------------|
| Appearance:                    | Solid                     | Physical State:                             | Solid          |
| Odor:                          | None to Very Faint        | Odor Threshold:                             | Not Determined |
| Density, g/cm <sup>3</sup> :   | 0.922                     | pH:   | Not Determined |
| Freeze Point, °F:              | Not Determined            | Viscosity:                                  | Not Determined |
| Solubility in Water:           | Not Determined            | Partition Coefficient, n-octanol/<br>water: | Not Determined |
| Decomposition temperature, °F: | Not Determined            |   |                |
| Boiling Range, °F:             | Not determined            | Explosive Limits, %:                        | Not Determined |
| Combustibility:                | Supports Combustion       | Flash Point, °F:                            | 385 ° F        |
| Evaporation Rate:              | Slower than Diethyl Ether | Auto-Ignition Temperature, °F:              | Not Determined |
| Vapor Density:                 | Not Determined            | Vapor Pressure, mmHg:                       | Not Determined |

N.I. = No Information

## 10. Stability and reactivity

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Not applicable.

INCOMPATIBILITY: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Not determined.

## 11. Toxicological information



Practical Experiences

EMERGENCY OVERVIEW: No Information

EFFECT OF OVEREXPOSURE - EYE CONTACT: No Information

EFFECT OF OVEREXPOSURE - INGESTION: No Information

EFFECT OF OVEREXPOSURE - INHALATION: No Information

EFFECT OF OVEREXPOSURE - SKIN CONTACT: No Information

CARCINOGENICITY: No Information

PRIMARY ROUTE(S) OF ENTRY:

## Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>Oral LD50</u> | <u>Dermal LD50</u>  | <u>Vapor LC50</u> |
|----------------|----------------------|------------------|---------------------|-------------------|
| 8002-74-2      | polyethylene wax     | >3750 mg/kg Rat  | >3600 mg/kg Rabbit  | N.I.              |
| 36653-82-4     | cetyl alcohol        | 5000 mg/kg Rat   | >2000 mg/kg Rat     | N.I.              |
| 13463-67-7     | titanium dioxide     | >10000 mg/kg Rat | >10000 mg/kg Rabbit | >20 mg/l          |

N.I. = No Information

**12. Ecological information**

ECOLOGICAL INFORMATION: Ecological evaluation of this material has not been performed; however, do not allow the product to be released to the environment without governmental approval/permits.

**13. Disposal Information**

Product

DISPOSAL METHOD: Waste from this material may be a listed and/or characteristic hazardous waste. Dispose of material, contaminated absorbent, container and unused contents in accordance with local, state, and federal regulations.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up or vacuum up spillage and collect in suitable container for disposal.

**14. Transport Information**

SPECIAL TRANSPORT PRECAUTIONS: No Information

DOT: NOT RESTRICTED

IATA: NOT RESTRICTED

IMDG: NOT RESTRICTED

**15. Regulatory Information**

## U.S. Federal Regulations:

## CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

None Known

## SARA SECTION 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| nickel               | 7440-02-0      |

|                    |           |
|--------------------|-----------|
| trivalent chromium | 7440-47-3 |
| zinc               | 7440-66-6 |
| manganese          | 7439-96-5 |
| barium             | 7440-39-3 |
| aluminum           | 7429-90-5 |
| lead               | 7439-92-1 |
| copper             | 7440-50-8 |
| arsenic            | 7440-38-2 |
| cobalt             | 7440-48-4 |
| selenium           | 7782-49-2 |
| antimony           | 7440-36-0 |
| beryllium          | 7440-41-7 |

**TOXIC SUBSTANCES CONTROL ACT**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA components exist in this product

**U.S. State Regulations:****CALIFORNIA PROPOSITION 65 CARCINOGENS**

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| titanium dioxide     | 13463-67-7     |
| crystalline silica   | 14808-60-7     |
| nickel               | 7440-02-0      |
| lead                 | 7439-92-1      |
| cobalt               | 7440-48-4      |
| beryllium            | 7440-41-7      |

**CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS**

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| lead                 | 7439-92-1      |

**16. Other Information**

Revision Date: 1/22/2015 Supersedes Date: New SDS

Reason for revision: No Information

Datasheet produced by: Regulatory Department

**HMIS Ratings:**

|         |   |               |   |             |   |                      |   |
|---------|---|---------------|---|-------------|---|----------------------|---|
| Health: | 2 | Flammability: | 0 | Reactivity: | 0 | Personal Protection: | X |
|---------|---|---------------|---|-------------|---|----------------------|---|

Volatile Organic Compounds, gr/ltr: 0

Icons for GHS Pictograms shown in Section 3 describing each ingredient

No GHS Pictograms exist for Section 3

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product where instructions and recommendations are not followed.