



Fel-Pro Incorporated  
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Phone (312) 761-4500 and 674-7700

# MATERIAL SAFETY DATA SHEET

2339-85

Essentially similar to U.S. Dept. of Labor Form No. LSB-00S-4, May 1969

P/N 218, 219, 225, 226

## SECTION I

|                                                                                                               |                                                      |                                                  |
|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--------------------------------------------------|
| MANUFACTURER'S NAME<br><b>Fel-Pro Incorporated</b>                                                            |                                                      | EMERGENCY TELEPHONE NO.<br><b>(312) 674-7700</b> |
| ADDRESS (Number, Street, City, State, and ZIP Code)<br><b>7450 N. McCormick Blvd., Skokie, Illinois 60076</b> |                                                      |                                                  |
| CHEMICAL NAME AND SYNONYMS<br><b>Not applicable -- Mixture</b>                                                | TRADE NAME AND SYNONYMS<br><b>Fel-Pro Brush Tack</b> |                                                  |
| CHEMICAL FAMILY<br><b>Not applicable -- Mixture</b>                                                           | FORMULA<br><b>Not applicable -- Mixture</b>          |                                                  |

## SECTION II—HAZARDOUS INGREDIENTS

| PAINTS PRESERVATIVES AND SOLVENTS                                                                                                            | %         | TLV (Units)   | ALLOYS AND METALLIC COATINGS           | % | TLV (Units) |
|----------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------|----------------------------------------|---|-------------|
| PIGMENTS                                                                                                                                     |           |               | BASE METAL                             |   |             |
| CATALYST                                                                                                                                     |           |               | ALLOYS                                 |   |             |
| VEHICLE                                                                                                                                      |           |               | METALLIC COATINGS                      |   |             |
| SOLVENTS <b>Methyl ethyl ketone</b>                                                                                                          | <b>57</b> | <b>200ppm</b> | FILLER METAL PLUS COATING OR CORE FLUX |   |             |
| ADDITIVES                                                                                                                                    |           |               | OTHERS                                 |   |             |
| OTHERS                                                                                                                                       |           |               |                                        |   |             |
| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES                                                                                        |           |               |                                        | % | TLV (Units) |
| Balance of the product is considered non-hazardous per U.S. Dept. of Labor O.S.H.A. criteria re: 29 CFR 1910.1200 Hazard Communications Law. |           |               |                                        |   |             |

## SECTION III—PHYSICAL DATA

|                               |                                                           |                                       |             |
|-------------------------------|-----------------------------------------------------------|---------------------------------------|-------------|
| BOILING POINT (°F.)           | <b>170°F</b>                                              | SPECIFIC GRAVITY (H <sub>2</sub> O=1) | <b>0.90</b> |
| VAPOR PRESSURE (mmHg.) @ 20°C | <b>71mmHg</b>                                             | PERCENT VOLATILE BY VOLUME (%)        | <b>64%</b>  |
| VAPOR DENSITY AIR=1)          | <b>2.5</b>                                                | EVAPORATION RATE (-----B. Ace.=1)     | <b>4.6</b>  |
| SOLUBILITY IN WATER           | <b>Appreciable</b>                                        |                                       |             |
| APPEARANCE AND ODOR           | <b>Dark blue viscous liquid, methyl ethyl ketone odor</b> |                                       |             |

## SECTION IV—FIRE AND EXPLOSION HAZARD DATA

|                                                                                                                                       |                                            |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| FLASH POINT (Method Used)<br><b>-10°F, Tag Open Cup</b>                                                                               | FLAMMABLE LIMITS<br><b>1.8</b> <b>10.9</b> |
| EXTINGUISHING MEDIA<br><b>Use dry chemicals, foam, CO<sub>2</sub>.</b>                                                                |                                            |
| SPECIAL FIRE FIGHTING PROCEDURES<br><b>Wear self-contained breathing apparatus when fighting fires in confined areas.</b>             |                                            |
| <b>Use eye protection.</b>                                                                                                            |                                            |
| UNUSUAL FIRE AND EXPLOSION HAZARDS<br><b>Solvent vapors are heavier than air and may travel along the ground to ignition sources.</b> |                                            |

**SECTION V—HEALTH HAZARD DATA****THRESHOLD LIMIT VALUE**

200 ppm TLV based on methyl ethyl ketone solvent.

**EFFECTS OF OVEREXPOSURE**

May cause redness, defatting or irritation of skin. May cause eye irritation, redness, or tearing. Inhalation may result in dizziness, headache, nausea or respiratory irritation.

**EMERGENCY AND FIRST AID PROCEDURES**

On skin - wash with soap and water. If irritation occurs, consult physician.

In eyes - flush with tepid water 15 minutes holding eyelids apart. Consult physician

im mediately. Ingestion - consult physician im mediately.

**SECTION VI—REACTIVITY DATA**

|                                                                            |                |   |                     |
|----------------------------------------------------------------------------|----------------|---|---------------------|
| STABILITY                                                                  | UNSTABLE       |   | CONDITIONS TO AVOID |
|                                                                            | STABLE         | X | None                |
| INCOMPATIBILITY (Materials to avoid)                                       |                |   |                     |
| Strong oxidizers (i.e., peroxides, permanganates, nitric acid, etc.)       |                |   |                     |
| HAZARDOUS DECOMPOSITION PRODUCTS                                           |                |   |                     |
| Pyrolysis yields CO, CO <sub>2</sub> and incompletely burned hydrocarbons. |                |   |                     |
| HAZARADOUS<br>POLYMERIZATION                                               | MAY OCCUR      |   | CONDITIONS TO AVOID |
|                                                                            | WILL NOT OCCUR | X | None                |

**SECTION VII—SPILL OR LEAK PROCEDURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Remove ignition sources. Absorb on inert absorbent material. Scoop or shovel into metal refuse containers. Complete clean-up using strong detergent and water or high flash point solvent cleaner with adequate ventilation.

**WASTE DISPOSAL METHOD**

Use controlled incineration to destroy liquid waste. For product on absorbent materials, use controlled incineration or bury in a posted toxic substances landfill in accordance with Federal, State and Local regulations.

**SECTION VIII—SPECIAL PROTECTION INFORMATION****RESPIRATORY PROTECTION (Specify type)**

Use a NIOSH-MESA organic vapor respirator if ventilation is inadequate. (200ppm TLV exceeded)

|                                                                                               |                        |                                                          |
|-----------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------|
| VENTILATION                                                                                   | LOCAL EXHAUST          | SPECIAL                                                  |
|                                                                                               | Preferred (50 f.p.m.)  | None                                                     |
|                                                                                               | MECHANICAL (General)   | OTHER                                                    |
|                                                                                               | Acceptable (50 f.p.m.) | None                                                     |
| PROTECTIVE GLOVES                                                                             |                        | EYE PROTECTION                                           |
| Impervious gloves recommended.                                                                |                        | Safety glasses or goggles sufficient to prevent contact. |
| OTHER PROTECTIVE EQUIPMENT                                                                    |                        |                                                          |
| None required. Coveralls or apron may be used to help avoid contact and maintain cleanliness. |                        |                                                          |

**SECTION IX—SPECIAL PRECAUTIONS****PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Use normal storage and handling for flammable liquids. Store away from heat and ignition sources.

**OTHER PRECAUTIONS**

Keep out of reach of children.