

# Material Safety Data Sheet

May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

# U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

## TRFE-1

IDENTITY (As Used on Label and List)

Polyurethane Tile Red Floor Enamel

*Note: Blank spaces are not permitted. If any item is not applicable, or no  
Information is available, the space must be marked to indicate that.*

### Section I

Manufacturer's Name

KANSAS CORRECTIONAL INDUSTRIES

Emergency Telephone Number

CHEMTREX #800-424-9300

Address (Number: Street, City, State, and Zip Code)

KANSAS DEPARTMENT OF CORRECTIONS

Telephone Number for Information

913-727-3249

POST OFFICE BOX 2

Date Prepared

September 30, 1987

LANSING, KANSAS 66043

Signature of Preparer (optional)

### Section II – Hazardous Ingredients/Identify Information

| Hazardous Components (Specific Chemical Identity, Common Name(s)) | OSHA PEL             | ACGIH TLV            | CAS       | % Optional |
|---|----------------------|----------------------|-----------|------------|
| MINERAL SPIRITS   | 500 ppm              | 100 ppm              | 8052-41-3 | <30        |
| CALCIUM CARBONATE, dust   | 15 mg/m <sup>3</sup> | 10 mg/m <sup>3</sup> | 471-34-1  | <8         |
| IRON OXIDE, fumes   | 5 mg/m <sup>3</sup>  | 5 mg/m <sup>3</sup>  | 1332-37-2 | <20        |

### Section III – Physical/Chemical Characteristics

|                         |                                  |   |      |
|-------------------------|----------------------------------|---|------|
| Boiling Point           | 240°F                            | Specific Gravity (H <sub>2</sub> O = 1) | 1.2  |
| Vapor Pressure (mm Hg.) | <10                              | Melting Point                           | N.A. |
| Vapor Density (AIR = 1) | >1                               | Evaporation Rate (Butyl Acetate = 1)    | <1   |
| Solubility in Water     | Insoluble                        |   |      |
| Appearance and Odor     | Reddish liquid; hydrocarbon odor |   |      |

### Section IV – Fire and Explosion Hazard Data

|                           |                  |     |     |
|---------------------------|------------------|-----|-----|
| Flash Point (Method Used) | Flammable Limits | LEL | UEL |
| 100°F TCC                 |                  | 1%  | 7%  |

**Extinguishing Media** Carbon dioxide and dry chemical extinguishers for small fires; use foam for large fires.

**Special Fire Fighting Procedures** Firefighters must wear self-contained breathing apparatus with full facepiece operated in pressure demand or positive pressure mode. Water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion.

**Unusual Fire and Explosion Hazards** Vapors may accumulate and travel to ignition sources distant from handling site. Keep away from high heat, sparks and open flame. Burning liquid can float on water, spread further and be subject to re-ignition.

**Section V – Reactivity Data**

|           |          |  |
|-----------|----------|--|
| Stability | Unstable | Conditions to Avoid                                |
|           |          | High heat and contact with strong oxidizing agents |
|           | Stable   |  |
|           | XXX      |  |

**Incompatibility (Materials to Avoid)**

Avoid contact with acids and oxidizing agents

**Hazardous Decomposition or Byproducts**

Carbon monoxide, smoke, iron oxide fumes

|                          |           |                           |
|--------------------------|-----------|---------------------------|
| Hazardous Polymerization | May Occur | Conditions to Avoid       |
|                          |           | Heat; sources of ignition |
|                          | XXX       |                           |

**Section VI – Health Hazard Data**

|                   |                 |           |                     |
|-------------------|-----------------|-----------|---------------------|
| Route(s) of Entry | Inhalation? YES | Skin? YES | Ingestion? POSSIBLE |
|-------------------|-----------------|-----------|---------------------|

**Health Hazards (Acute and Chronic)** EYES: can cause irritation. SKIN: prolonged contact can cause irritation, defatting and dermatitis. INGESTION: gastrointestinal disturbances and vomiting if large amounts are ingested. INHALATION: high vapor concentrations can result in headache, nausea, dizziness and irritation of the respiratory tract, chronic effects include CMS depression, allergic responses, and dermatitis.

|                  |                 |                     |                    |
|------------------|-----------------|---------------------|--------------------|
| Carcinogenicity: | NTP? NOT LISTED | IARC Monographs? NO | OSHA Regulated? NO |
|------------------|-----------------|---------------------|--------------------|

**Signs and Symptoms of Exposure** EYES: redness and watering of eyes. SKIN: redness and irritation; possibly contact dermatitis. INGESTION: possibly nausea, cramps, vomiting; other stomach and intestinal disturbances. INHALATION: possibly headache, nausea, respiratory irritations.

**Medical Conditions Generally Aggravated by Exposure:** EYES: conjunctivitis and prior irritation. SKIN: dermatitis and some burns. INGESTION: any gastrointestinal disorder including but not limited to ulcers and sore throat from colds or influenza infections. INHALATION: prior irritation.

**Emergency and First Aid Procedures:** EYE CONTACT; remove contact lenses, if worn; rinse eyes with water holding eyelid open. SKIN CONTACT; rinse skin with water. INGESTION: drink a large glass of water or milk, if any symptoms persist or exposure was severe CONTACT A PHYSICIAN IMMEDIATELY.

**Section VII – Precautions for Safe Handling and Use**

**Steps to Be Taken in Case Material is Released or Spilled** CAUTION! COMBUSTIBLE! Contain spills such that material does not enter public waterways through storm sewers or landfill runoff. Remove sources of ignition.

**Waste Disposal Method** Dilute, rinse water should be handled by a licensed treatment facility. Solid waste is preferably incinerated.

**Precautions to Be Taken in Handling and Storing** As packaged, no special precautions are necessary for ordinary handling and storage.

**Other Precautions** Spills into or leading to waterways that cause a sheen must be reported to the National Response Center, 800-424-8802.

**Section VIII – Control Measures**

Respiratory Protection (Specify Type) NIOSH approved organic vapor respirator

|             |                      |        |         |                 |
|-------------|----------------------|--------|---------|-----------------|
| Ventilation | Local Exhaust        | NORMAL | Special | EXPLOSION PROOF |
|             | Mechanical (General) | NORMAL | Other   | N.A.            |

|                   |                    |                |                  |
|-------------------|--------------------|----------------|------------------|
| Protective Gloves | Rubber or neoprene | Eye Protection | Chemical goggles |
|-------------------|--------------------|----------------|------------------|

Other Protective Clothing or Equipment Protective coveralls recommended

Work/Hygienic Practices Wash thoroughly before eating, smoking, etc.