

**Section 1 Identification**

**Product identifiers**

Product name: Ferris Yellow Sprue Wax

**Relevant identified uses of the substance or mixture and uses advised against**

Identified uses: N/A

**Details of the supplier of the safety data sheet**

Freeman Manufacturing and Supply Company  
 1101 Moore Road, Avon, OH 44011  
 Phone (440) 934-1902  
 FAX (440) 934-7200

HMIS	
H	0
F	1
R	0
PPE	
Sec. 8	

**24 Hour emergency telephone number: CHEMTREC (800) 424-9300**

**Section 2 Hazards Identification**

**Classification of the substance or mixture**

Not a hazardous substance or mixture.

**GHS Label elements, including precautionary statements**

Not a hazardous substance or mixture.

**Hazards not otherwise classified (HNOC) or not covered by GHS**

None.

**Section 3 Composition/Information on Ingredients**

Component	CAS Number
Microcrystalline Paraffin Waxes and Hydrocarbon Waxes	63231-60-7
Paraffin Waxes	8002-74-2

No components need to be disclosed as per 29CFR Part 1910.1200.

**Section 4 First Aid Measures**

**Description of first aid measures**

**If inhaled**

Move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact**

Wash off with soap and plenty of water.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

**Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

**Indication of any immediate medical attention and special treatment needed**

No data available.

**Section 5 Fire-Fighting Measures**

**Suitable extinguishing media**

Use water fog, alcohol-resistant foam, dry chemical powder or carbon dioxide.

**Special hazards arising from the substance or mixture**

Heating and fire may produce irritating vapors/gases.

**Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Section 6 Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Avoid breathing vapors, mist or gas.

For personal protection see section 8.

**Environmental precautions**

Do not let product enter drains.

**Methods and materials for containment and cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Section 7 Handling and Storage**

**Precautions for safe handling**

Use normal precautions when handling hot molten liquid solutions. Do not breathe fumes or vapor from heated material. Do not allow hot material to contact skin. Provide appropriate exhaust ventilation at places where dust is formed. Try to avoid creating dust.

**Conditions for safe storage, including any incompatibilities**

Store at ambient temperatures in closed containers. This material can catch fire if overheated. Do not heat this material above the flash point. Keep away from flame and open electrical coils. No chemical incompatibilities.

**Section 8 Exposure Controls/Personal Protection**

**Control parameters**

**Components with workplace control parameters**

Wax Fume                      ACGIH STEL: 2 mg/m<sup>3</sup>                      NIOSH TWA: 2 mg/m<sup>3</sup>

**Exposure controls**

**Appropriate engineering controls**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits (see below). An eye wash station and safety shower should be located near the workstation.

**Personal protective equipment**

**Eye/face protection**

Use a full-face shield and safety glasses if handling heated material. With product at ambient temperatures, use safety glasses equipped with side shields.

**Skin protection**

**Hand Protection**

When handling product at elevated temperatures, use heat-resistant gloves. With product at ambient temperatures, use disposable nitrile, neoprene or butyl rubber gloves with repeated or prolonged use.

**Section 8 Exposure Controls/Personal Protection continued**

**Body Protection**

Prevent skin contact when handling heated material. Use insulated, heat resistant clothing such as apron or slicker suit.

**Respiratory Protection**

The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist prefilter should be used.

**Safety Stations**

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**General Hygienic Practices**

Avoid breathing dust, vapor or mist. Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Yellow solid
<b>Odor</b>	None to slight petroleum
<b>Odor threshold</b>	No data available
<b>pH</b>	Not applicable
<b>Melting point</b>	140-203°F (60-95°C)
<b>Initial boiling point/boiling point range</b>	>572°F (>300°C)
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Flash point (COC)</b>	465°F (240°C)
<b>Upper/lower flammability limits</b>	No data available
<b>Vapor pressure</b>	No data available
<b>Vapor density</b>	No data available
<b>Relative density (g/cc)</b>	0.9 ±0.05
<b>Solubility</b>	Insoluble in water
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Viscosity</b>	Solid at room temperature

**Section 10 Stability and Reactivity**

<b>Reactivity</b>	None
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	None known under conditions of normal use. Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Temperatures exceeding the flash point
<b>Incompatible materials</b>	Strong oxidizing agents
<b>Hazardous decomposition products</b>	Thermal oxidative decomposition can produce carbon monoxide, carbon dioxide and other products such as aldehydes and ketones depending on conditions of oxidation.

**Section 11 Toxicological Information**

**Information on likely routes of exposure**

<b>Inhalation</b>	Not relevant at normal room temperatures. When heated, irritating vapors may be formed.
<b>Skin contact</b>	Health injuries are not expected under normal use. Molten material will produce thermal burns.
<b>Eye contact</b>	Health injuries are not expected under normal use. Molten material will produce thermal burns.
<b>Ingestion</b>	Health injuries are not expected under normal use.

**Information on toxicological effects**

<b>Acute toxicity</b>	Not expected to be acutely toxic
<b>Skin corrosion/irritation</b>	Molten material may cause thermal burns
<b>Serious eye damage/eye irritation</b>	Not classified
<b>Respiratory or skin sensitization</b>	Not classified
<b>Germ cell mutagenicity</b>	Not classified
<b>Carcinogenicity</b>	Not expected to be hazardous by OSHA criteria No listed regulated substances (29 CFR 1910.1001-1050)
<b>Reproductive toxicity</b>	Not classified
<b>Specific target organ toxicity</b>	
- single exposure	Not classified
<b>Specific target organ toxicity</b>	
- repeated exposure	Not classified
<b>Aspiration hazard</b>	Solid product, aspiration hazard not likely

**Section 12 Ecological Information**

<b>Ecotoxicity</b>	Not classified as environmentally hazardous
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Results of PBT &amp; vPvB assessment</b>	No data available

**Section 13 Disposal Considerations**

Use sealed containers for disposal. Contact a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

**Section 14 Transport Information**

**DOT:** Not regulated  
**TDG:** Not regulated  
**IMDG:** Not regulated  
**IATA:** Not regulated

**Section 15 Regulatory Information**

**US Federal Regulations**

TSCA Section 12(b) Export Notification (40 CFR 707, Subpart D): Not regulated

**Section 15 Regulatory Information continued**

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed  
CERCLA Hazardous Substance (40 CFR 302.4): Not listed  
Superfund Amendments and Reauthorization Act of 1986 (SARA): No hazard categories  
SARA 302 Extremely hazardous substance: Not listed  
SARA 311/312 Codes: No hazard categories identified  
SARA 313 Toxic Chemical (40 CFR 372.65): Not regulated

**US State Regulations**

US California Proposition 65: This product is not known to contain any components for which the State of California has found to cause cancer, birth defects or other reproductive harm.

**Section 16 Other Information**

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