

**Section 1 Identification**

**Product identifiers**

Product name: Ferris® Patch-Eze Extra Soft Red

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

Identified uses: Industrial/Professional Use – extra soft wax for patching, filling, and filleting

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

Freeman Manufacturing & Supply Company

1101 Moore Road, Avon, OH 44011

Telephone (440) 934-1902

contactus@freemansupply.com

**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**

None

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

None known

**Section 3 Composition/Information on Ingredients**

Proprietary mixture of synthetic waxes, and oil soluble dyes.

No ingredients are hazardous according to OSHA criteria.

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

**Section 4 First Aid Measures**

**If inhaled**

Exposure to fumes, vapors or smoke of overheated molten product handled in confined areas can result in irritation of the respiratory tracts, and possible discomfort to sensitive individuals. Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

**In case of skin contact**

Wash with soap and water. Molten product – Cool affected areas with running water to remove heat. In general, do not remove adhering material - it may be necessary to cut through material surrounding a limb to prevent a tourniquet effect. Seek medical attention urgently.

**In case of eye contact**

Exposure to fumes, vapors or smoke of overheated product can result in irritation to eyes. Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist. If molten material contacts the eye, immediately flush with plenty of running water for at least 15 minutes, holding eyelid open. Do not remove adhering material. Seek medical attention immediately.

**If swallowed**

Do not induce vomiting. Seek medical attention.

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

Burns should be treated as thermal burns. The material will come off as healing occurs; therefore, immediate removal from skin is not necessary

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

Hazards: Contact with molten product may cause severe burns to skin and eyes. Treatment: Treat symptomatically.

**Section 5 Fire-Fighting Measures**

**Extinguishing media**

Suitable extinguishing media: Water mist, foam, dry chemical or carbon dioxide  
 Unsuitable extinguishing media: Solid water stream may scatter and spread fire

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

Molten material can create slippery conditions. In case of fire hazardous decomposition products may be produced such as: Carbon dioxide, carbon monoxide and complex hydrocarbons. As with most solid organic compounds, a high dust concentration of this product may form an explosive atmosphere, subject to ignition by heat and static discharge. This is an unlikely scenario, but users should be aware of the risk.

**Advice for firefighters**

In the event of fire do not breathe fumes. Wear self-contained breathing apparatus and protective suit.

**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**

Should not be released into the environment. 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. Avoid creating dust (dust is unlikely).

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

Keep product closed in its original packaging until used. Keep dry; avoid temperature extremes (keep between 5 & 30°C / 41 & 86°F) and direct sunlight. Keep away from sources of ignition, oxidizing agents and other chemicals.

**Specific end use(s)**

Avoid heating above 100°C (212°F) during the normal process (except dewax operations).

**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>

**Appropriate engineering controls**

Good general ventilation should be used. If applicable, use local exhaust ventilation or other engineering controls to maintain airborne levels of dust (solid product), fume or vapor (molten product) below recommended exposure limits.

**Personal Protective Equipment (PPE)**

**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**

When handling product at elevated temperatures, use heat-resistant gloves. Prevent skin contact when handling heated material. With product at ambient temperatures, use disposable gloves with repeated or prolonged use.

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

**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, and washing facilities available in work area.

**General Hygienic Practices**

Avoid breathing vapor. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean before reuse.

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Soft red solid	<b>Vapor pressure</b>	No data available
<b>Odor</b>	Mild	<b>Vapor density</b>	No data available
<b>Odor Threshold</b>	No data available	<b>Relative density (g/cc)</b>	0.9 ±0.05
<b>pH</b>	No data available	<b>Water solubility</b>	Insoluble
<b>Melting point</b>	No data available	<b>Coefficient: n-octanol/ water</b>	No data available
<b>Initial boiling point</b>	No data available	<b>Auto-ignition temperature</b>	No data available
<b>Flash point</b>	>338°F (>170°C)	<b>Viscosity</b>	No data available
<b>Evaporation rate</b>	No data available	<b>Explosive Properties</b>	None
<b>Flammability (solid, gas)</b>	No data available	<b>Oxidizing Properties</b>	None
<b>Upper/lower flammability</b>	No data available	<b>% Volatile</b>	0

**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
<b>Conditions to avoid</b>	Product is organic and will be subject to surface oxidation. Avoid holding the product in the molten state when not in use. Excessive thermal exposure will degrade the product.
<b>Incompatible materials</b>	Strong oxidizing agents
<b>Hazardous decomposition products</b>	Carbon monoxide and carbon dioxide.

**Section 11 Toxicological Information**

<b>Acute toxicity</b>	No data available
<b>Inhalation</b>	Wax fumes may be irritating to the respiratory tract,
<b>Dermal</b>	Molten product will cause thermal burns on contact
<b>Skin corrosion/irritation</b>	No data available
<b>Serious eye damage/eye irritation</b>	Molten product will cause thermal burns on contact
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.
<b>Reproductive toxicity</b>	No data available
<b>Specific Target Organ Toxicity (STOT)</b>	
- single exposure	No data available
- repeated exposure	No data available
<b>Aspiration hazard</b>	No data available

**Section 12 Ecological Information**

<b>Toxicity</b>	No data available
<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

No specific ecological information has been determined for this product. However, the product is insoluble in water and should not pose a serious threat to the environment. Users of the product should, however, ensure that it is stored, handled and disposed of in such a manner that it is not released to the environment. Spent material from the flash fire furnace or autoclave must therefore be stored in such a manner as to prevent environmental contamination, either by solid product or rainwater run-off from it.

**Section 13 Disposal Considerations**

<b>Disposal</b>	Follow applicable Federal, State, and local regulations.
-----------------	--

**Section 14 Transport Information**

<b>DOT, TDG, IMDG, IATA</b>	Not Regulated
-----------------------------	---------------

**Section 15 Regulatory Information**

**U.S. Federal Regulations**

**EPCRA Section 302:** This material contains no extremely hazardous substances.

**SARA 311/312 Codes:** No hazard categories identified

**SARA 313:** No components were identified

**TSCA Inventory Status:** All components of this product are listed or exempted from listing on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

**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**

**Disclaimer**

The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict of liability arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.

Date of Issue: May 1, 2015

Revision Date: August 15, 2022