FREEMAN Manufacturing & Supply Company

Safety Data Sheet

Ferris® File-A-Wax® Blue

Section 1 Identification

1.1 Product identifier

Product name: Ferris® File-A-Wax® Blue

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

Identified use(s): Carving Wax, Milling Wax

1.3 Details of the supplier of the safety data sheet

Freeman Manufacturing & Supply Company
1101 Moore Road, Avon, OH 44011-4043 USA
Telephone: +1 800 321-8511
Email: wax@freemansupply.com

1.4 Emergency telephone number

CHEMTREC (800) 424-9300 US & Canada
Worldwide: +1 703 741-5970

Section 2 Hazards Identification

2.1 Classification of the substance or mixture

Not classified according to OSHA 29 CFR 1910.1200 HCS

2.2 GHS Label elements, including precautionary statements

No label element(s) required

2.3 Hazards not otherwise classified

Molten product can cause serious burns.

Section 3 Composition/Information on Ingredients

3.1 Mixture of Substances

Proprietary mixture of polyethylene waxes, additive(s), and oil soluble dye(s).
No components need to be disclosed according to the applicable regulations.

Section 4 First Aid Measures

4.1 Description of first aid measures

Inhalation Get medical assistance if irritation develops or persists. If breathing is difficult, move the person to fresh air. Give artificial respiration if person is not breathing.

Skin contact For thermal burns, flush or submerge effected area in cold water to dissipate heat. Cover with clean bandage material. Do not peel material from skin. Get medical attention. For contact at ambient temperatures, wash with soap and water.

Eye contact Immediately flush with plenty of water for at least 15 minutes. If irritation persists, get medical attention immediately.

Ingestion If swallowed, rinse mouth with water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Consult a physician if necessary.

Section 5 Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media: Water fog, dry chemical, foam, carbon dioxide.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide, irritating smoke.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Section 6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not walk through spilled material. Avoid contact with skin and eyes. Do not breath dust or fumes. Ventilate closed spaces before entering. Wear appropriate personal protective equipment, see Section 8.

6.2 Environmental precautions

Should not be released into the environment. Prevent product from entering drains.

6.3 Methods and materials for containment and cleaning up

Avoid dust formation. Use clean non-sparking tools to collect material into suitable container for disposal.

Section 7 Handling and Storage

7.1 Precautions for safe handling

Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Wash thoroughly with soap and water after handling. Use only in a well-ventilated area and avoid breathing fumes and dust (dust is unlikely). Avoid contact with molten material.

Specific end use(s): Avoid heating above 212°F during the normal investment casting process (except dewax operations). If processing at >600°F, consider use of a respirator to avoid breathing decomposition products.

7.2 Conditions for safe storage, including any incompatibilities

Store in closed container at ambient temperatures. Keep away from ignition sources, heat, open flames, and direct sunlight. Do not store with incompatible materials: strong oxidizing agents.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guideline

No applicable exposure limits available for product or components.

8.2 Exposure controls

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, very hot processing, mechanical generation of dusts, etc.

8.3 Personal protective equipment

Eye/Face

Wear safety glasses equipped with side shields, or safety goggles.

Hands

Wear thermally resistant gloves and long sleeves if handling molten product.

Skin/Body

Prevent skin contact, wear long sleeves and/or coveralls.

Respiratory

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 or symptoms are experienced, use an air-purifying respirator. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. experienced.

Safety Stations

Make emergency eyewash stations and washing facilities available in work area.

General Hygienic Practices

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

9.1 Information on physical and chemical properties

Physical State:	Solid
Color:	Blue
Odor:	Odorless to mild
Odor Threshold:	No data available
pH:	Not applicable
Melting Point:	>220°F (>104°C)
Boiling Point:	No data available
Decomposition Temperature:	No data available
Flash Point:	347°F (175°C) (estimated)
Flammability:	Not flammable
Lower Explosion Limit (LEL):	No data available
Upper Explosion Limit (UEL):	No data available
Vapor Density:	No data available
Specific Gravity:	0.9 ± 0.05
Water Solubility:	Negligible
Partition Coefficient: n-octanol/water:	No data available
Autoignition Temperature:	No data available
Viscosity:	Solid at ambient temperature
Explosive Properties:	Not explosive
Oxidizing Properties:	Not an oxidizer

Section 10 Stability and Reactivity

10.1 Reactivity:	No dangerous reaction known under conditions of normal use.
10.2 Chemical stability:	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions:	Hazardous polymerization does not occur.
10.4 Conditions to avoid:	Heat, sparks, open flame. Avoid dust formation.
10.5 Incompatible materials:	Strong oxidizing agents.
10.6 Hazardous decomposition products	May produce: carbon monoxide, carbon dioxide, irritating smoke.

Section 11 Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity	Classification criteria not met
Skin Corrosion/Irritation	Molten product will cause thermal burns on contact
Serious Eye Damage/Irritation	Classification criteria not met
Respiratory or Skin Sensitization	Classification criteria not met
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.
Germ Cell Mutagenicity	Classification criteria not met
Reproductive toxicity	Classification criteria not met
Specific Target Organ Toxicity (STOT)	
Repeated Exposure	No data available
Single Exposure	No data available
Aspiration Hazard	Not relevant

Section 12 Ecological Information

12.1 Toxicity	No data available
12.2 Persistence and degradability	No data available
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	No data available
12.5 Results of PBT & vPvB assessment	No data available

Section 13 Disposal Considerations

13.1 Disposal Follow applicable Federal, State, and local regulations.

Section 14 Transport Information

14.1 DOT, TDG, IMO/IMDG, IATA/ICOA: Not regulated

Section 15 Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the product

Inventories: This product complies with the following inventories: Australia AICS, Canada DSL/NDSL, China IECSC, EU EINECS/ELNICS, Japan ENCS, Korea KECI, New Zealand NZIOC, Philippines PICCS, USA TSCA
SARA 302 EPCRA Components: No chemicals in this material are subject to the reporting requirements.
SARA 311/312 Hazards Classifications: None
SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
RCRA: In the form delivered, this product is not considered as hazardous waste, and is not subject to reporting under the Resource Conservation and Recovery Act.
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

16.1 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: June 1, 2015
Previous Date of Revision: May 30, 2022
Current Revision Date: May 27, 2026