

Section 1 Identification

Product identifiers

Ferris® File-A-Wax® Turquoise

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

Carving wax. For professional use only.

Details of the supplier of the Safety Data Sheet

Freeman Manufacturing & Supply Company

1101 Moore Road, Avon, OH 44011 USA

Telephone: +1 800-321-8511

Email: contactus@freemansupply.com

**24-Hour emergency telephone number:
CHEMTREC +1 800-424-9300**

Section 2 Hazards Identification

GHS Classification of the substance or mixture

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Label elements

None.

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

Molten product can cause serious burns.

Section 3 Composition/Information on Ingredients

Proprietary mixture of synthetic waxes, additive(s), and oil soluble dye(s).

No components are classified as hazardous, and therefore do not need to be disclosed

Section 4 First Aid Measures

Description of first aid measures

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

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.

Eye contact: Rinse immediately with plenty of water for at least 15 minutes. Get medical attention if irritation persists after washing.

Ingestion: Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

No known significant effects or critical hazards.

Indication of any immediate medical attention and special treatment needed

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

Section 5 Fire-Fighting Measures

Extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Watch footing on floors and stairs because of possible spreading of molten material. Material can create slippery conditions. In case of fire hazardous decomposition products may be produced such as: Carbon monoxide, Carbon dioxide (CO₂)

Section 5 Fire-Fighting Measures

Advice for firefighters

In the event of fire and/or explosion do not breathe fumes. Wear self-contained breathing apparatus and protective suit. No unprotected exposed skin areas.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. For personal protection see section 8.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

Methods and materials for containment and cleaning up

For molten product: If material is molten, allow to cool. Use caution, as material may still be hot after solidification. Spilled material will solidify. Allow to solidify. Scrape up. Shovel into suitable container for disposal.

Section 7 Handling and Storage

Precautions for safe handling

Avoid prolonged exposure. Observe good industrial hygiene practices. Avoid contact with molten material. Do not breathe fumes, vapors, dust or sprays from molten or burning material. Avoid heating above 212°F (100°C) during the normal investment casting process (except dewax operations). If processing at >600°F (315°C), consider use of a respirator to avoid breathing decomposition products. Avoid generating dust.

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Keep away from direct sunlight. Protect from physical damage. Store away from incompatible substances.

Section 8 Exposure Controls/Personal Protection

Components with workplace control parameters

Component	Value	Basis
Inert or Nuisance	5 mg/m ³ - Respirable fraction.	OSHA PEL
Dust	15 mg/m ³ - Total dust.	Table Z-3

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.

Personal protective equipment (PPE)

Eye/face protection Wear safety glasses with side shields, or goggles.

Skin protection: Prevent skin contact. Wear appropriate gloves and clothing.

Wear appropriate thermal protective clothing, when necessary.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Section 8 Exposure Controls/Personal Protection continued

Safety Stations

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

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

Appearance	Turquoise solid
Odor	None to slight petroleum
Odor threshold	No data available
pH	Not applicable
Melting point	>220°F (>104°C)
Boiling point	No data available
Flash point (closed cup)	347°F (175°C) by Pensky-Martens closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.9 ±0.05
Water solubility	Negligible
Coefficient: n-octanol/ water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	572°F (300°C) - estimated
Viscosity	Solid at room temperature
Explosive properties	None
Oxidizing properties	None
% Volatile	0

Section 10 Stability and Reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability: Material is stable under normal conditions.
Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.
Conditions to avoid: Dust formation. Heat, flames and sparks. Contact with incompatible materials.
Incompatible materials: Strong oxidizing agents. Amines. Fluorine.
Hazardous decomposition products: Carbon monoxide. Carbon dioxide. Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

Section 11 Toxicological Information

Acute toxicity values

None established

Symptoms related to the physical, chemical and toxicological characteristics Inhalation

Wax fumes have been reported to be irritating to the respiratory tract, especially to sensitized persons. Molten product will cause thermal burns on contact

Section 11 Toxicological Information

Information on toxicological effects

Skin corrosion/irritation: Not classified.

Serious eye damage/eye irritation: Not classified.

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: Not classifiable as to carcinogenicity to humans. (IARC, OSHA, and NTP)

Reproductive toxicity: This product is not expected to cause reproductive or developmental effects.

Specific Target Organ Toxicity (STOT) - single exposure: Not classified.

Specific Target Organ Toxicity (STOT) - repeated exposure: Not classified.

Aspiration hazard: Not an aspiration hazard.

Section 12 Ecological Information

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability: No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential: No data available

Mobility in soil: No data available

Results of PBT & vPvB assessment: No data available

Section 13 Disposal Considerations

Contact your supplier or a licensed contractor for detailed recommendations.

Follow all applicable regulations, including Federal, State, and local.

Section 14 Transport Information

DOT: Not regulated as dangerous goods.

TDG: Not regulated as dangerous goods.

IMDG: Not regulated as dangerous goods.

IATA: Not regulated as dangerous goods.

Section 15 Regulatory Information

US Federal Regulations

CERCLA Hazardous Substance List (40 CFR 302.4): Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 304 Emergency release notification: Not regulated.

SARA 302 Extremely hazardous substance: Not listed.

SARA 311/312 Hazardous chemical: No

SARA 313 (TRI reporting): Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.

Safe Drinking Water Act (SDWA): Not regulated.

US State Regulations

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 15 Regulatory Information

Inventories

Canada Domestic Substances List (DSL): all components of this product comply with the inventory requirements

Japan Inventory of Existing and New Chemical Substances (ENCS): all components of this product comply with the inventory requirements

Korea Existing Chemicals List (ECL): all components of this product comply with the inventory requirements

Philippines Inventory of Chemicals and Chemical Substances (PICCS): all components of this product comply with the inventory requirements

Taiwan Chemical Substance Inventory (TCSI) all components of this product comply with the inventory requirements

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory: all components of this product comply with the inventory requirements

Section 16 Other Information

Disclaimer

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