

Section 1 Identification

Product identifiers

Product name(s): Corevent Wax, Freeman Brown Core Vent Wax

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

Identified uses: Industrial/Professional Use – tooling and foundry wax

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 (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/m³ NIOSH TWA: 2 mg/m³

Exposure controls

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

Appearance	Dark brown solid	Vapor pressure	No data available
Odor	Mild	Vapor density	No data available
Odor Threshold	No data available	Relative density (g/cc)	0.9 ±0.05
pH	No data available	Water solubility	Insoluble
Melting point	Approximately 170°F	Coefficient: n-octanol/ water	No data available
Initial boiling point	No data available	Auto-ignition temperature	No data available
Flash point	>365°F (>185°C)	Viscosity	No data available
Evaporation rate	No data available	Explosive Properties	None
Flammability (solid, gas)	No data available	Oxidizing Properties	None
Upper/lower flammability	No data available	% Volatile	0

Section 10 Stability and Reactivity

Reactivity	None
Chemical stability	Stable under recommended storage conditions
Possibility of hazardous reactions	None known
Conditions to avoid	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.
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Carbon monoxide and carbon dioxide.

Section 11 Toxicological Information

Acute toxicity	No data available
Inhalation	Wax fumes may be irritating to the respiratory tract,
Dermal	Molten product will cause thermal burns on contact
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	Molten product will cause thermal burns on contact
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
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.
Reproductive toxicity	No data available
Specific Target Organ Toxicity (STOT)	
- single exposure	No data available
- repeated exposure	No data available
Aspiration hazard	No data available

Section 12 Ecological Information

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT & vPvB assessment	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

Disposal	Follow applicable Federal, State, and local regulations.
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Section 14 Transport Information

DOT, TDG, IMDG, IATA	Not Regulated
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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

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