

Section 1 Chemical Product and Company Identification

Product identifiers

Product name: Freeman No. 60 Pattern Coating

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

Identified uses: Pattern Coating for Industrial Use

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	3
F	3
R	0
PPE	
Sec. 8	

24 Hour Emergency Phone Number: (800) 424-9300

Section 2 Hazards Identification

GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)

- Flammable Liquids, Category 3
- Skin Corrosion/Irritation, Category 2
- Eye Corrosive, Category 2A
- Mutagen, Category 1B
- Carcinogen, Category 1B
- Reproductive Toxin, Category 1B

GHS Label elements, including precautionary statements



Signal word

Danger

Hazard statements

- Flammable liquid and vapor.
- Causes skin irritation.
- Causes serious eye irritation.
- May cause genetic defects.
- May cause cancer.
- May damage fertility or the unborn child.

Precautionary statements

Prevention

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Keep container tightly closed when not in use.
- Do not breathe fumes or vapors.
- Wash skin thoroughly after handling.
- Do not eat, drink or smoke when using this product.

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Section 2 Hazards Identification continued

Use only in a well-ventilated area.
 Avoid release to the environment.
 Wear protective gloves/protective clothing/eye protection/face protection.

Response

If on skin: Remove/take off immediately all contaminated clothing. Rinse skin with soap and water/shower. If skin irritation occurs: Get medical advice/attention.
 If inhaled: Remove person to fresh air and call doctor/physician if not feeling well.
 If in eyes: Rinse continuously with water for at least 15 minutes.
 Remove contact lenses, if present and easy to do.
 If eye irritation occurs: Get medical advice/attention.
 If swallowed, immediately call a poison control center or a physician. Do NOT induce vomiting.
 Wash contaminated clothing before reuse.
 In case of fire, use alcohol resistant foam, dry chemical, carbon dioxide (CO₂) or dry sand to extinguish.

Storage

Store in a well-ventilated place. Keep cool.

Disposal

Dispose of contents and container to an appropriate waste site in accordance with local and national regulations.

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

None known.

Section 3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Weight Concentration %
Kaolin	1332-58-7	20 - 30
n-Butyl Acetate	123-86-4	10 - 20
Talc	14807-96-6	5 - 10
4-Methyl-2-Pentanone	108-10-1	5 - 10
Isopropyl Acetate	108-21-4	1 - 5
Naphtha, Petroleum, Hydrotreated Light	64742-49-0	1 - 5
Titanium Dioxide	13463-67-7	1 - 5
Methyl Ethyl Ketone	78-93-3	1 - 5
Isopropanol	67-63-0	1 - 5
Xylenes	1330-20-7	1 - 5
Ethylbenzene	100-41-4	0.1 - 1.0

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. If skin irritation continues, consult a doctor.

In case of eye contact

Remove contact lenses, if worn. Flush opened eyes thoroughly with water. If irritation persists, get medical assistance.

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Section 4 First Aid Measures continued

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

Extinguishing media

Suitable extinguishing media: Use alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating and in case of fire.

Hazardous Combustion Products

Carbon oxides can form explosive vapor-air mixtures.

Vapors are heavier than air and may spread along floors.

Vapors may travel considerable distance to source of ignition and flash back.

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No data available.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas. Remove all sources of ignition. Ensure adequate ventilation.

Remove all non-essential people from the area. For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Absorb with liquid binding material.

Sweep up and shovel, using non-sparking tools.

Keep in suitable, closed containers for disposal.

Section 7 Handling and Storage

Precautions for safe handling

Use normal precautions when handling flammable materials. Do not breathe fumes or vapor. Do not allow material to contact skin. Provide appropriate exhaust ventilation.

Conditions for safe storage

Store in cool, dry conditions in tightly sealed containers. Protect from humidity and water. Storage temperature 10 - 50°C. This material can catch fire if overheated. Do not heat this material above the flash point. Keep away from flame and open electrical coils. Do not store with oxidizing or acidic materials.

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Section 8 Exposure Controls/Personal Protection

Components with workplace control parameters

Ingredient	OSHA		ACGIH	
	PEL	STEL	TWA	STEL
n-Butyl Acetate	150 ppm	None established	150 ppm	200 ppm
4-Methyl-2-Pentanone	100 ppm	None established	20 ppm	75 ppm
Isopropanol	400 ppm	None estab.	200 ppm	400 ppm
Methyl Ethyl Ketone	200 ppm	None established	200 ppm	300 ppm
Titanium Dioxide	5 mg/m ³	15 mg/m ³	10 mg/m ³	None established
Xylenes	100 ppm	None established	100 ppm	150 ppm
Isopropyl Acetate	250 ppm	None established	20 ppm	75 ppm
Ethylbenzene	100 ppm	None established	20 ppm	None established

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.

Personal protective equipment

Eye/face protection

Use safety glasses equipped with side shields, or goggles.

Skin protection

Hand Protection

Use disposable nitrile gloves. Contaminated gloves should be replaced.

Body Protection

Prevent skin contact when handling material.

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 pre-filter 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 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.

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Section 9 Physical and Chemical Properties

Appearance	Gray liquid
Odor	Characteristic solvent
Odor Threshold	No data available
pH	No data available
Melting Point	No data available
VOC Content	No data available
Boiling range	34°C
Flash Point (COC)	23°C (75°F)
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Lower Explosive Limit	1.00
Vapor Pressure	19.3 mmHg
Vapor density	3.6
Relative density (g/cc)	1.26
Water Solubility	Negligible
Coefficient: n-octanol/water	No data available
Auto-ignition temperature	170°C (338°F)
Viscosity	114 KU
Explosive Properties	No data available
Oxidizing Properties	No data available

Section 10 Stability and Reactivity

Reactivity	No data available
Chemical stability	Stable under recommended storage conditions
Conditions to avoid	Heat and open flames
Incompatible materials	Strong oxidizing agents, peroxides
Hazardous decomposition	Carbon monoxide, carbon dioxide

Section 11 Toxicological Information

Acute Oral Toxicity	No data available
Acute Inhalation Toxicity	LC 50 103 mg/L (mixture)
Acute Dermal Toxicity	No data available
Skin Corrosion/Irritation	Skin irritant
Serious Eye Damage/Eye Irritation	Eye irritant
Respiratory or Skin Sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	
IARC	Ethylbenzene, Titanium Dioxide, and 4-Methyl-2-Pentanone: Class 2B suspect human carcinogens.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

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Section 11 Toxicological Information continued	
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	Blood, eyes, kidneys, liver, central nervous system, skin, respiratory system
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
Section 13 Disposal Considerations	
Use safety containers for disposal. Contact a licensed contractor for detailed recommendations. Follow applicable Federal, State, and local regulations.	
Section 14 Transport Information	
DOT: Shipping Name: Paint Hazard Class: 3 ID No.: UN 1263 Packing Group: II Label: Flammable Liquid IATA: Shipping Name: Paint Hazard Class: 3 ID No.: UN 1263 Packing Group: II Label: Flammable Liquid IMDG: Shipping Name: Paint Hazard Class: 3 ID No.: UN 1263 Packing Group: II Label: Flammable Liquid	
Section 15 Regulatory Information	
US Federal Regulations RCRA Hazardous Waste Number (40 CFR 261.33): Not listed RCRA Hazardous Waste Classification (40 CFR 261): Not classified SARA 311/312 Codes: Fire Hazard, Acute Health Hazard, Chronic Health Hazard SARA 313 Toxic Chemical: Xylene (1330-20-7), Ethyl Benzene (100-41-4), Toluene (108-88-3)	


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Section 15 Regulatory Information continued

Toxic Substance Control Act (TSCA)

TSCA Inventory Status: All ingredients listed on TSCA inventory requirements

US State Regulations

California Proposition 65: WARNING:  This product can expose you to chemicals including 4-methyl-2-pentanone and ethyl benzene, which are known to the State of California to cause cancer or birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Section 16 Other Information

Disclaimer

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