

Section 1 Chemical Product and Company Identification

Product identifiers

Product name: Master Kincote Vermillion

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	2
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 Liquid, Category 2

Skin Irritation, Category 2

Eye Irritation, Category 2

Single Target Organ Toxicity, single exposure, Category 3

Carcinogen, Category 2

Reproductive Toxicity, Category 2

Single Target Organ Toxicity, repeated exposure, Category 2

GHS Label elements, including precautionary statements



Signal word

Danger

Hazard statements

Highly flammable liquid and vapor.

Causes skin irritation.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Suspected of causing cancer.

Suspected of damaging fertility or the unborn child.

May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention

Obtain special instructions before use.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Section 2 Hazards Identification continued

Do not breathe dust/fume/gas/mist/vapours/spray.
 Wash thoroughly after handling.
 Use only outdoors or in a well-ventilated area.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Use personal protective equipment as required.

Response

IF ON SKIN: Wash with plenty of water.
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 IF exposed or concerned: Get medical advice/attention.
 Call a POISON CENTER/doctor if you feel unwell.
 Specific treatment (see on this label).
 If skin irritation occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 In case of fire: Use dry chemical, carbon dioxide, or foam 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.

Section 3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Weight %
Isobutyl Acetate	110-19-0	25-50
Xylene	1330-20-7	10-25
PMA	108-65-6	2.5-10
2-Propanol	67-63-0	2.5-10
Ethyl Benzene	100-41-4	2.5-10

Section 4 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.
If swallowed: Call a physician or Poison Control Center immediately.

Section 5 Fire-Fighting Measures

Suitable extinguishing media: Use alcohol-resistant foam, dry chemical or carbon dioxide.
Unusual fire and explosion hazards: Remove all sources of ignition.

Section 5 Fire-Fighting Measures continued

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

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

Soak up with inert absorbent material and 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 at ambient temperatures in closed containers. Keep in a well-ventilated place. Store away from foodstuffs. This material can catch fire if overheated. Do not heat this material above the flash point. Keep away from flame and open electrical coils.

Section 8 Exposure Controls/Personal Protection

Components with workplace control parameters

Ingredient	OSHA		ACGIH	
	PEL	STEL	TWA	STEL
Isobutyl Acetate	150 ppm	Not established	150 ppm	Not established
Xylene	100 ppm	Not established	100 ppm	150 ppm
2-Propanol	400 ppm	Not established	200 ppm	400 ppm
PMA	None estab.	Not established	50 ppm	Not established
Ethyl Benzene	100 ppm	Not established	100 ppm	125 ppm

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. An eye wash station and safety shower should be located near the workstation.

Personal protective equipment

Eye/face protection

With product at ambient temperatures, use safety glasses equipped with side shields.

Skin protection

Hand Protection

With product at ambient temperatures, use disposable nitrile gloves. Contaminated gloves should be replaced.

Body Protection

Prevent skin contact when handling material.

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 pre-filter should be used.

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.

Section 9 Physical and Chemical Properties

Appearance	Vermillion heavy liquid
Odor	Characteristic solvent
Odor Threshold	No data available
pH	No data available
Melting Point/Freezing Point	No data available
VOC (g/L)	620
Boiling Range	118 - 485°F
Flash Point	44.6°F (7°C)
Evaporation Rate	7.70
Flammability (solid, gas)	No data available
Upper/lower flammability	No data available
Vapor Pressure	33.0 mmHg
Vapor Density	4.60
Specific Gravity	0.985
Water Solubility	No data available
Coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Viscosity	No data available
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
Hazardous decomposition	Carbon monoxide, carbon dioxide

Section 11 Toxicological Information

Acute Oral Toxicity	Harmful: may cause lung damage if swallowed
Acute Inhalation Toxicity	Respiratory tract irritant
Acute Dermal Toxicity	No data available

Section 11 Toxicological Information continued

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	No data available on this product
IARC	Xylene - Class 3: not classifiable as to its carcinogenicity in humans. Ethyl Benzene - Group 2B: suspect human carcinogen.
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.
Reproductive toxicity	No data available
Specific target organ toxicity	
- single exposure	No data available
Specific target organ toxicity	
- 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

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: Proper Shipping Name: Paint, Flammable Liquid
Hazard Class: 3
UN /NA Number: 1263
Packing Group: II
Label: Flammable Liquid
Hazard SubClass: No Information
Response Guide Page: 128

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)


Toxic Substance Control Act (TSCA)

TSCA Inventory Status: All ingredients listed on TSCA inventory requirements

US State Regulations

Chemical Name	CAS Number	NJ Right-to-Know	PA Right-to-Know
Phenolic/Rosin	Non-Hazardous	X	X
Nitrocellulose	9004-70-0	X	X
Diisononyl Phthalate	28553-12-0		X

California Proposition 65

 **WARNING:** This product can expose you to chemicals including ethyl benzene and toluene, 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

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.