

Section 1 Chemical Product and Company Identification

Product identifiers

Product name: No. 60 Pattern Coating - Gray

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

Identified uses: Lacquered primer. For Industrial Use Only

Details of the supplier of the safety data sheet:

Freeman Manufacturing & Supply Company
1101 Moore Road, Avon, OH 44011-4043 USA
Telephone: +1 (440) 934-1902
Email: contactus@freemansupply.com

Emergency Telephone Number:
(CHEMTREC) (800) 424-9300

Section 2 Hazards Identification

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

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

Label elements



Danger

Hazard statements

H224 Extremely flammable liquid and vapour
H315 Causes skin irritation
H319 Causes serious eye irritation
H340 May cause genetic defects
H350 May cause cancer
H360 May damage fertility or the unborn child

Precautionary statements

P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233 Keep container tightly closed
P240 Ground/bond container and receiving equipment
P241 Use explosion-proof electrical/ventilating/lighting/equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P264 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection
P281 Use personal protective equipment as required
P321 Specific treatment, see supplemental first aid information.
P362 Take off contaminated clothing and wash before reuse
P302+P352 IF ON SKIN: Wash with soap and water

Section 2 Hazards Identification continued

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing
P308+P313 IF exposed or concerned: Get medical advice/attention
P332+P313 If skin irritation occurs: Get medical advice/attention
P337+P313 Get medical advice/attention
P370+P378 In case of fire: Use alcohol resistant foam, dry chemical, carbon dioxide (CO2), dry sand for extinction
P405 Store locked up
P403+P235 Store in a well ventilated place. Keep cool
P501 Dispose of contents/container in accordance with local/regional/national/international regulations. Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

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
Nitrocellulose	9004-70-0	5 - 10
4-Methyl-2-Pentanone	108-10-1	5 - 10
Isopropyl Acetate	108-21-4	1 - 5
Butyl benzyl phthalate	85-68-7	1 - 5
Isopropanol	67-63-0	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
Oxidized Castor oil	68187-84-8	1 - 5
Xylenes	1330-20-7	1 - 5
Ethylbenzene	100-41-4	0.1 - 1.0

Section 4 First Aid Measures

If inhaled: Immediately supply fresh air. Keep patient in restful and comfortable position for breathing. If required provide artificial respiration, although this may be dangerous. Consult doctor if symptoms persist.
In case of eye contact: Immediately rinse opened eye(s) for several minutes under running water. Use lukewarm water if possible. Remove contact lenses if worn. Get medical attention.
In case of skin contact: Remove contaminated clothing and shoes. Immediately wash with water and soap, rinse thoroughly. If skin irritation continues, consult a doctor.
If swallowed: Immediately get medical attention. Call a poison center or physician. Rinse out mouth and then drink small amounts of water. Do not induce vomiting as this may be dangerous. Aspiration hazard if swallowed, can enter lungs and cause damage. If vomiting occurs, the head should be kept low to avoid vomit entering the lungs. Maintain an open airway.
Notes to Physician: Treat symptomatically

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.
Mixture in sealed and heated containers may cause explosion hazard.

Hazardous Combustion Products

Carbon oxides. Metal oxide(s). Nitrogen oxides.
May 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

Clear fire area of unprotected personnel. Containers that are exposed to intense heat should be cooled with water. Avoid spreading burning liquid with the water used for cooling purposes. Do not enter fire area without protective gear. Fight fire from a safe distance or a protected location. Wear self-contained respiratory protective device. Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away. Keep away from ignition sources.
Wear protective clothing. Keep from contacting skin or eyes. Avoid breathing vapors, mist, or gas.
Ensure adequate ventilation. Evacuate personnel to safe areas. If any equipment is necessary, ensure that it is non-sparking and electrically protected.

Environmental precautions:

Do not allow product to reach sewage system or any water source. In case of seepage into the ground inform responsible authorities. Prevent from spreading (e.g. by damming-in or oil barriers). Keep contaminated washing water and dispose of appropriately.

Methods and material for containment and cleaning up:

Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste. Do not flush with water or aqueous cleansing agents.

Section 7 Handling and Storage

Precautions for safe handling

Apply proper ventilation, possibly combined with local exhaust. Do not eat, smoke or drink during use. For personal protection see Section 8. Keep ignition sources away - Do not smoke. Protect against electrostatic charges by bonding and grounding product containers before and during material transfers. Keep respiratory protective device available. Keep material out of reach of children. Use only explosion proof equipment. Wash thoroughly after handling. For Industrial Use Only.

Conditions for safe storage

Keep away from sources of ignition - no smoking. Store in cool, dry conditions in tightly sealed containers. Storage temperature 40 - 90°F. 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 materials.

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Section 8 Exposure Controls/Personal Protection

Components with workplace control parameters

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Kaolin 1332-58-7	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	2 mg/m ³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	NIOSH: 10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)
n-Butyl acetate 123-86-4	150 ppm TWA; 710 mg/m ³ TWA	200 ppm STEL 150 ppm TWA	NIOSH: 150 ppm TWA; 710 mg/m ³ TWA 200 ppm STEL; 950 mg/m ³ STEL
Talc 14807-96-6	Not Established	2 mg/m ³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	NIOSH: 2 mg/m ³ TWA (containing no asbestos and <1% quartz, respirable dust)
Nitrocellulose 9004-70-0	Not Established	Not Established	Not Established
4-Methyl-2-Pentanone 108-10-1	100 ppm TWA; 410 mg/m ³ TWA	75 ppm STEL 20 ppm TWA	NIOSH: 50 ppm TWA; 205 mg/m ³ TWA 75 ppm STEL; 300 mg/m ³ STEL
Isopropyl acetate 108-21-4	250 ppm TWA; 950 mg/m ³ TWA	200 ppm STEL 100 ppm TWA	Not Established
Butyl benzyl phthalate 85-68-7	Not Established	Not Established	Not Established
Isopropyl alcohol 67-63-0	400 ppm TWA; 980 mg/m ³ TWA	400 ppm STEL 200 ppm TWA	NIOSH: 400 ppm TWA; 980 mg/m ³ TWA 500 ppm STEL; 1225 mg/m ³ STEL
Naphtha, petroleum, hydrotreated light 64742-49-0	Not Established	Not Established	Not Established
Titanium dioxide 13463-67-7	15 mg/m ³ TWA (total dust)	10 mg/m ³ TWA	Not Established
Methyl ethyl ketone 78-93-3	200 ppm TWA; 590 mg/m ³ TWA	300 ppm STEL 200 ppm TWA	NIOSH: 200 ppm TWA; 590 mg/m ³ TWA 300 ppm STEL; 885 mg/m ³ STEL
Xylenes (o-, m-, p-isomers) 1330-20-7	100 ppm TWA; 435 mg/m ³ TWA	150 ppm STEL 100 ppm TWA	Not Established
Ethylbenzene 100-41-4	100 ppm TWA; 435 mg/m ³ TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 435 mg/m ³ TWA 125 ppm STEL; 545 mg/m ³ STEL

Section 8 Exposure Controls/Personal Protection

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. All ventilation should be designed in accordance with OSHA standard (29 CFR 1910 .94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas.

Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits .

Personal protective equipment

Respiratory Protection: In outdoor or open areas use (NIOSH/MSHA approved) mechanical filter respirator to remove solid airborne particles of overspray during spray application. In restricted ventilation areas use (NIOSH/MSHA approved) chemical-mechanical filters designed to remove a combination of particulate and gas and vapor. In confined areas use (NIOSH/MSHA approved) airline type respirators or hoods. Respiratory protection may also be necessary in any later manufacturing operations in which the product may become airborne in the form of vapor or dust.

Protective Gloves: Protective gloves are required for prolonged or repeated contact. Wear resistant gloves such as natural rubber, neoprene, buna N or nitrile. An apron should be worn to avoid skin contact. Consult your safety equipment supplier.

Eye Protection: Avoid contact with eyes. Wear goggles if there is a likelihood of contact with eyes. Consult your safety equipment supplier. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

Body Protection: Chemically resistance gloves, apron and safety goggles are recommended. Type of protective equipment should be selected based on concentration amount and conditions of use of this material.

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.

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
Coating VOC (as supplied)	4.49 lb./gallon
Coating VOC (EPA calculation)	4.62 lb./gallon
Initial boiling point	34°C (93°F)
Flash Point	-20°C (-4°F)
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Lower Explosive Limit	1.00
Vapor pressure	19.1 mmHg
Vapor density	No data available
Specific gravity	1.26
Weight Per Gallon (WPG)	10.50 ± 0.3 at 77°F (25°C)

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Water Solubility	No data available
Coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Viscosity at 77°F	2300 – 300 cP
Explosive Properties	No data available
Oxidizing Properties	No data available
Section 10 Stability and Reactivity	
Reactivity	Stable under recommended storage conditions
Chemical stability	Hazardous polymerization will not occur
Conditions to avoid	Heat and open flames
Incompatible materials	Strong oxidizing agents, peroxides
Hazardous decomposition	Carbon monoxide, carbon dioxide, various hydrocarbons
Section 11 Toxicological Information	
Acute Oral Toxicity	No data available
Acute Inhalation Toxicity	LC 50 101 mg/L (mixture)
Acute Dermal Toxicity	No data available
Skin Corrosion/Irritation	Reversible adverse effects in dermal tissue, Draize score: 2.3 – 4.0
Serious Eye Damage/Eye Irritation	Eye irritant. Reversible in 21 days.
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	Known to produce heritable mutations in human germ cells
Carcinogenicity	Subcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity
	Presumed Human Carcinogen, based on animal carcinogenicity.
	Naphtha, petroleum, hydrotreated light: EU REACH: Present (P) Ethylbenzene: IARC: Possible human carcinogen, OSHA: listed 2-Pentanone, 4-methyl-: IARC: Possible human carcinogen, OSHA: listed
Reproductive Toxicity	Presumed, based on experimental animals
Specific Target Organ Toxicity	
Target Organs	Eyes, kidneys, liver, central nervous system, skin, cardiovascular system, respiratory system
- single exposure	No data available
- repeated exposure	Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.
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

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Section 13 Disposal Considerations

Must not be disposed of together with household garbage. Contact a licensed contractor for detailed recommendations. Disposal of this product and any by-products must at all times comply with local, state and Federal regulations for hazardous wastes. All entities that store, transport or handle hazardous waste must take the necessary measures to prevent risks of pollution, release into the environment or damage to people and animals.

Section 14 Transport Information

ADR/DOT/IATA/IMDG/TDG

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UN Number: UN1263

Shipping Name: Paint

Hazard Class: 3

Packing Group: II

Section 15 Regulatory Information

Inventories

USA Inventory - United States - Section 8(b) Inventory (TSCA): All components listed

Canada DSL (Canadian Domestic Substance List): All components listed

China IECSC (Inventory of Chemical Substances Manufactured or Imported in China): All components listed

Australia AICS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment): All components listed

Philippines PICCS (Philippines Inventory of Chemicals and Chemical Substances): All components listed

Korea KECL (Korean Existing Chemical and Chemical Substances): All components listed

New Zealand NZIoC (New Zealand Inventory of Chemicals): All components listed

USA Federal Regulations

CERCLA/SARA 302 Extremely Hazardous Substances EPCRA RQs: None

CERCLA/SARA 313 Toxic Chemical Emission Reporting: None

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

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.

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