
1.) IDENTIFICATION

Product identifiers

Product name: Freeman M-4500 Modeling Board (formerly M-46)

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

Identified uses: Modeling board

For professional use only

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

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

Please take note that this document is not a legal requirement.

2.) HAZARDS IDENTIFICATION

2.1. GHS Classification of the substance or mixture in accordance with 29 CFR 1910.1200

This substance isn't classified as hazardous.

2.2. Label elements

There is no requirement for the product to be specially labelled

2.3. Other hazards

When milling: danger of dust explosion

3.) COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: polyurethane

4.) FIRST AID MEASURES

4.1. Description of first aid measures

Eye contact: Dust: immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contacts lenses. Get medical attention if irritation occurs.

Inhalation: Dust: remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact: Dust: flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion: Dust: wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

- 4.2. Most important symptoms and effects, both acute and delayed potential acute health effects**
There are no data available
- 4.3. Indication of any immediate medical attention and special treatment needed**
There are no data available
-

5.) FIRE-FIGHTING MEASURES

- 5.1. Extinguishing media**
Suitable extinguishing media: Use an extinguishing agent suitable for the fire surroundings.
- 5.2. Special hazards arising from the substance or mixture**
Carbon monoxide, nitrogen oxide, isocyanate vapor and traces of hydrogen cyanide are possible
- 5.3. Advice for firefighters**
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode clothing for fire-fighters (including helmets, protective boots and gloves).

6.) ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures**
Dust can create an explosive mixture. Keep away from sources of ignition, no smoking. Don't breathe dust. Provide adequate ventilation.
- 6.2. Environmental precautions**
No special measures are necessary.
- 6.3. Methods and materials for containment and cleaning up**
Take up mechanically, placing in appropriate containers for disposal. Avoid dust formation.
- 6.4. Reference to other sections:**
None
-

7.) HANDLING AND STORAGE

- 7.1. Precautions for safe handling**
No special measures necessary if used correctly. Avoid dust formation.
Keep away from source of ignition. No smoking

Advice on protection against fire and explosion

Dust can create explosive mixture.

7.2. Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. No special measures necessary. Keep away from direct sunlight and avoid temperature variations.

7.3. Specific end uses(s):

No information available

8.) EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Contains no substances with occupational exposure limit values

8.2. Exposure controls

Appropriate engineering controls

No special measures necessary.

Individual protection and Hygiene measures

May form combustible dust concentrations in air. Keep away from source of ignition. No smoking

Eye/face protection

Dust production eye glasses, wear suitable (dust-tight) gloves

Skin /hand protection

Protective clothing, safety shoes

Respiratory protection:

While machining in case of dust formation wear an N95 dust mask or equivalent.

9.) PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties Appearance:

Physical state:	solid, board/block
Color:	light brown
Odor:	odorless
pH:	not available
Flash point:	not available
Density:	0.72 g/mL
Solubility:	not soluble in water

9.2. Other information

No additional information

10.) STABILITY AND REACTIVITY

10.1. Reactivity

No information available

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Condition to avoid

Do not overheat > 200°C to avoid thermal decomposition

10.5. Incompatible materials

Not specific data available

10.6. Hazardous decomposition products

Carbon monoxide, nitrogen oxide, isocyanate vapor and traces of hydrogen cyanide are possible.

11.) TOXICOLOGICAL INFORMATIONS**11.1. Information on toxicological effects**

Acute toxicity: not available

Irritation/corrosion: dust particles are mechanically irritating to eyes

Sensitization: based on available data, classification criteria are not met

Carcinogenicity: based on available data, classification criteria are not met

Aspiration hazard: based on available data, classification criteria are not met

12.) ECOLOGICAL INFORMATION

12.1. Toxicity: not available

12.2. Persistence and degradability: not degradable

12.3. Bio accumulative potential: not available

12.4. Mobility in soil: not available

12.5. Results of PBT and vPvB assessment: not available

12.6. Other adverse effects: not available

13.) DISPOSAL CONSIDERATIONS**13.1. Waste treatment / methods of disposal:**

Dispose of in compliance with Federal, State, and local regulations.
Recycling should be preferred to disposal.

14.) TRANSPORT INFORMATION

	DOT	IMDG	IATA
14.1. UN number	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name			
14.3. Transport hazard	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	no		
14.6. Special precautions for user	No dangerous good	Not available	Not available

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code: not available

15.) REGULATORY INFORMATION

15.1. Safety, health and environmental regulations specific for the substance or mixture

TSCA Inventory Status

Exemptions from obligation to register on the TSCA (Toxic Substances Control Act) inventory list

EU Regulation (EC) No. 1907/2006 (REACH) Article 57)

None of the components are listed

National regulatory information:

Not water contaminating

15.2. Chemical safety assessment:

For this product a chemical safety assessment is not required.

16.) OTHER INFORMATION:

Information given under items 4 to 8 and 10 to 12 do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product) but to liberation of major amount in case of accidents and irregularities.

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.

Date of Preparation: June 26, 2020

Date of Revision: June 9, 2022