

MATERIAL SAFETY DATA SHEET

NOBLE BENCH

MSDS DATE:
01/15/08

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: NOBLE BENCH; various sizes

SYNONYMS: Benches; various sizes

EPS, Expanded Polystyrene coated w/ MasterWall Superior Elastomeric Finish®

MANUFACTURER: NOBLE COMPANY

ADDRESS: 7300 Enterprise Drive; Spring Lake, MI 49456

EMERGENCY PHONE: (231) 799-8000

OTHER CALLS: (231) 799-8000

FAX PHONE: (231) 799-8850

CHEMICAL NAME: Polystyrene w/ Acrylic polymer

FAMILY NAME: Expanded foam

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

POLYSTYRENE THERMOPLASTIC POLYMER:

<u>Ingredient:</u>	<u>Cas No.</u>	<u>% Vol</u>
Polystyrene	9003-53-6	98% MIN
Pentane	109-66-0	Less than 2%

SUPERIOR FINISH:

<u>Ingredient:</u>	<u>Cas No.</u>	<u>% Vol</u>	<u>ACGIH-TLV</u>	<u>OSHA PEL</u>
Sand (encapsulated)	14808-60-7	62-66%	10	15
Water	7732-18-5	12-15%	NE	NE
Acrylic Polymer	N/A	9-10%	NE	NE
Titanium Dioxide	13463-67-7	1-5.5%	5	NE

SECTION 3: HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: Solid or dust may cause irritation or corneal injury due to mechanical action.

SKIN: Prolonged, direct contact may cause irritations or abrasions.

INGESTION: Unlikely due to physical state. Physical injury only. May cause choking if swallowed. Practically non-toxic.

INHALATION: Dust may cause irritation to upper respiratory tract.

CHRONIC HEALTH HAZARDS: None

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Exposure to dust may aggravate respiratory conditions.

CARCINOGENICITY:

OSHA: N/A ACGIH: N/A NTP: N/A IARC: N/A OTHER: N/A

SECTION 4: FIRST AID MEASURES

EYES: Flush with plenty of water; mechanical effects only. Remove foreign particles with clean, lint free cloth. Obtain medical attention if pain, blinking, tears or redness persist.

SKIN: Rinse off in flowing water and wash with soap and water. Consult physician if irritation persists.

INGESTION: No adverse effects anticipated by this route of exposure incidental to proper industrial handling. May act as an obstruction if swallowed.

INHALATION: Remove to fresh air and/or provide oxygen. Consult physician if symptoms persist.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, (% BY VOLUME)

UPPER: N/A

LOWER: N/A

FLASH POINT:
F:

EXPANDED POLYSTYRENE:
610°

ELASTOMERIC FINISH:
Non-combustible

METHOD USED: ASTM D1929

NFPA HAZARD CLASSIFICATION:

HEALTH: 0

FLAMMABILITY: 2

REACTIVITY: 0

SPECIFIC: 0

EXTINGUISHING MEDIA: Water fog, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES: Wear positive-pressure, self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, pants, boots, and gloves). Once ignited this product will burn, emitting a dense black smoke. Highly toxic fumes are released in fire situations. **Protect the environment:** Keep out of sewers and bodies of water. Fire water run-off may be toxic.

UNUSUAL FIRE AND EXPLOSION HAZARDS: May produce dense black smoke. Smoke consists of Carbon (soot), Carbon Monoxide, Carbon Dioxide and Water. Dust generated by fabrication i.e., sanding, sawing, etc., will increase fire hazard and should be handled accordingly.

HAZARDOUS DECOMPOSITION PRODUCTS: (may include but are not limited to:)

EXPANDED POLYSTYRENE : Carbon Monoxide, Carbon Dioxide, Carbon, Water, Hydrogen Halide

ELASTOMERIC FINISH: None

SECTION 6: ENVIRONMENTAL HAZARDS & PROTECTION

ENVIRONMENTAL HAZARDS: Sewer/WaterWay Obstruction; fish may eat beads and obstruct their digestive tract.

SPILL, LEAK OR RELEASE PROCEDURES: Pick up, or if dust or small pieces, sweep up and place in suitable container for disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:

Handling: Mechanical handling equipment can cause formation of dusts, maintain good housekeeping. Layers of flammable dusts should not be permitted.

This product should not be shipped, stored, or used in virtually airtight spaces to prevent the build-up of combustible vapors.

Storage: Flammable vapors may accumulate in some storage situations. Storage, use and handling areas should be designated "no smoking" areas.

DISPOSAL METHOD: Recycle, incinerate (WTE) or landfill per local and state regulations.

OTHER PRECAUTIONS: Notice: This polystyrene foam plastic product is combustible and should be protected from flame and other high heat sources.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION : Provide general or local exhaust ventilation to control airborne levels below the exposure guidelines.

RESPIRATORY PROTECTION: For dusty conditions use a dust mask approved by NOIAH.

EYE PROTECTION: Use approved safety glasses/goggles.

SKIN PROTECTION: No protection other than clean, body-covering clothing should be needed.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Protective gloves recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ PHYSICAL STATE: Rigid cellular foam board with finish coat.

ODOR: Very slight hydrocarbon odor

BOILING POINT: Not applicable

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MELTING POINT Softens at 175° – 200° F

FREEZING POINT: Not applicable

VAPOR PRESSURE (mmHg): Not applicable

VAPOR DENSITY (AIR = 1): Not applicable

EVAPORATION RATE: Not applicable

SOLUBILITY IN WATER: Insoluble

VOLATILES BY VOLUME: less than 4% Pentane and Water

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY): Finish reacts with acids to liberate CO². Avoid fire and high temperatures. Temperatures over 300°C (572°F) will release combustible gases.

INCOMPATIBILITY (MATERIAL TO AVOID): Will dissolve in most organic solvents and some insecticides, aldehydes and amines.

HAZARDOUS DECOMPOSITION: Carbon monoxide, carbon dioxide, carbon, water, hydrogen halide.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

HAZARD CLASS: This product is not regulated by D.O.T. when shipped domestically by land.

SECTION 12: OTHER INFORMATION

OTHER INFORMATION: This document is generated for the purpose of distributing health, safety, and environmental data. It is not a specification sheet nor should any displayed data be construed as a specification.

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