

Material Safety Data Sheet



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Section I – Identification

Product Identification: a composite of cellulose based fiber board and polyisocyanurate foam.

Product Name: Thermasote®, N.C.F.R. ® Thermasote®.

Product Use/application: Building Material

Company: Homasote Company
P.O. Box 7240
West Trenton, NJ, 08628-0240.

Contact Numbers:
Telephone: 609-883-3300.
Fax: 609-406-9263.

Section II – Composition/Information on Ingredients

Fiberboard component: Cellulose based material containing 1 to 2% paraffin wax, CAS 8002-74-2, 20 to 25% aluminum trihydrate, CAS 21645-51-2, and less than 0.1% copper base pesticide, CAS 39290-85-2. The product contains no known hazardous or carcinogenic components.

Foam component:

Common Name	Chemical Name	Percent (approx.)	CAS Number
Polyisocyanurate Foam	Same	96	None
Pentane	Same	2	109-66-0
Fiberglass	Fibrous glass	1	65997-17-3
Carbon Black	Carbon	1	1333-86-4

Section III – Hazards Identification

Routes of Entry: skin contact, eye contact and inhalation of dust.

Health Effects

Inhalation: nasal dryness and mild irritation.

Eye contact: dryness and mild irritation.

Skin contact: can cause minor irritation and dryness.

Fibrous glass: No chronic health effects are known to be associated with exposure to continuous filament fiberglass. The International Agency for Research on Cancer has classified continuous filament fiberglass " Not Classifiable as to Carcinogenicity to Humans"

Polyisocyanurate Foam: No known evidence that polyisocyanurate foam causes disease in humans.

Section IV – First Aid Measures

Inhalation: Move the individual to a dust-free area. Seek medical attention if persistent coughing or difficult breathing develops.

Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

Eye Contact: Treat as a foreign object. Flush eyes with water.

Section V – Fire Fighting Measures

Material is flammable, not explosive.

Extinguishing Media: Water, carbon dioxide (CO₂).

Special Risks: Combustion produces irritating and toxic fumes and gases, including carbon monoxide (CO) and carbon dioxide (CO₂). Dust may explode at concentrations greater than 40 grams dust per cubic meter of air.

Under certain fire conditions, the polyisocyanurate foam component can generate combustible gases creating rapidly spreading, high intensity flames and dense, black smoke.

Special Protective Equipment: Self contained breathing apparatus is recommended.

Section VI – Accidental Release Measures

No health related procedures required. Avoid or control conditions that could result in fire.

Section VII – Handling and Storage

Store in dry well ventilated areas or containers. Avoid or control conditions that could result in fire.

Rotary powered saws are not recommended, as the original continuous filament fibers in the facing are of non-respirable size and the use of powered saws may create smaller fibers and cause them to become airborne.

Section VIII – Exposure Controls/Personal Protection

Personal Protective Equipment: recommended for sanding, sawing, and other machining.

Respiratory Protection: dust mask and local exhaust.

Eye Protection: safety glasses.

Hand Protection: as required for mechanical operations.

Industrial Hygiene: Follow normal work hygiene practices. No special practices required.

Section IX – Physical and Chemical Properties

Form: rigid board.

Odor: none.

Melting Point: na.

Ignition Temperature: 450 ° F.

Density: less than 20 lb/ft³.

Color: gray, brown

pH: na.

Boiling Point: na.

Flash Point: na.

Solubility in water: negligible.

Explosion Limit – Lower: 40 grams of dust per cubic meter air for cellulose dust.

Explosion Limit – Upper: unknown.

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Section X – Stability and Reactivity

Conditions to be Avoided: Conditions that could cause ignition or fire.

Substance to be Avoided: Acetone, methyl ethyl ketone, tetrahydrofuran, chlorine, chloroform, hydrogen peroxide, ethylene dichloride, dimethyl sulfoxide, and dimethyl formamide.

Hazardous Decomposition Product(s): Burning produces irritating and toxic smoke and fumes including paraffin wax fumes, carbon monoxide, and carbon dioxide.

Hazardous Polymerization: Will not occur.

Section XI – Toxicological Information

Fiberboard component: no known toxicological effects

Foam component Exposure limits:

Hazardous Ingredients	OSHA PEL	ACGIH TLV	Other Source
Polyisocyanurate Foam (as nuisance dust)	15 mg/M ³	10 mg/M ³	None
Pentane	1000 ppm TWA	600 ppm TWA	1500 ppm IDLH (NIOSH)
Fibrous Glass (respirable nuisance dust)	5 mg/M ³	10 mg/M ³	3 X 10 ⁶ fibers/M ³ (NIOSH)
Carbon Black (respirable nuisance dust)	3.5 mg/M ³	3.5 mg/M ³	None

Foam Component Carcinogenicity:

Ingredients are not OSHA regulated nor NTP or IARC listed.

Section XII – Ecological Information

Significant ecotoxic effects are not expected.

Section XIII – Disposal Considerations

Dispose in accordance with local, state, federal, and provincial environmental regulations.

Section XIV – Transportation Information

Road/Rail: not regulated by DOT

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Section XV – Regulatory Information

CERCLA: This product does not contain any chemicals subject to reporting as a CERCLA hazardous substance under 40 CFR 302.4

EPCRA: This product does not contain any chemicals subject to reporting as a toxic chemical under EPCRA Section 313.

CIS R(isk) Phrases:

R 10: Flammable

R 43: May cause sensitization by skin contact

R 66: Repeated exposure may cause skin dryness or cracking

CIS S(afety) Phrases:

S 15: Keep away from heat

S 16: Keep away from sources of ignition

S 17: Keep away from combustible material

S 22: Do not breathe dust

S 38: In case of insufficient ventilation, wear suitable respiratory equipment

S 41: In case of fire, do not breathe fumes.

Section XVI – Other Information

HMIS Ratings:

Health	1	slight hazard
Flammability	0	minimal hazard
Reactivity	0	minimal hazard

Safety Officer Telephone No: 609-883-3300, X1188

Safety Officer Fax No: 609-530-1584

Safety Officer 24hr Telephone No: 609-883-3300

List of Acronyms

ACGIH	American Conferences of Governmental Industrial Hygienists
CAS(RN)	Chemical Abstracts (Registry Number)
CERCLA	Comprehensive Emergency Response, Compensation, and Liability Act
CIS	International Occupational Safety and Health Information Center
EPCRA	Emergency Planning and Community Right-to-Know Act
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
IDLH	Immediately Dangerous to Life or Health (NIOSH)
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	OSHA Permissible Exposure Limit
TLV	Threshold Limit Values (Registered Trademark of ACGIH)
TWA	Time Weighted Average



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The information contained herein is based on the present state of our knowledge.
The information contained herein characterizes the product with regard to the appropriate safety precautions.
The information contained herein does not represent a guarantee of the properties of the product.