

Kirei Wheatboard

material safety data sheet

Effective Date: 5/1/08



PART I: PRODUCT IDENTIFICATION

Product: Kirei Wheatboard
Synonyms: Wheatboard, Strawboard
Trade Names: Kirei Wheatboard

Manufacturer: Kirei USA, LLC
Corporate Office: 412 N. Cedros Ave.
Solana Beach, CA 92075
www.kireiusa.com

Non-Emergency phone: 619-236-9924

In Case of Emergency: Dial 911

PART II: COMPOSITION

Wheat Straw 90-95%
MDI Adhesive 5-10%

PART III: HAZARDS IDENTIFICATION

Emergency Overview: Solid straw board. Mild characteristic odor. Toxic fumes may be released in fire situations.

Potential Health Effects: (See Section 11 for toxicological data.)

Eye contact: Dust generated in processing may cause irritation or corneal injury due to mechanical action.

Skin contact: Solid or dusts may cause skin irritation due to mechanical abrasion. No adverse effects anticipated by skin absorption.

Ingestion: Swallowing is unlikely because of the physical state.

Inhalation: Dust generated by mechanical handling may cause irritation of the upper respiratory tract (nose and throat).

Systemic (Other Target Organ) Effects: No relevant information found.

Cancer Information: No relevant information found.

Teratology (Birth Defects): No relevant information found.

Reproductive Effects: No relevant information found.

PART IV: FIRST AID

Eye: Flush eyes with plenty of water; remove contact lenses after the first 1-2 minutes then continue flushing for several minutes. Only mechanical effects expected.

Skin: Wash skin with plenty of water.

Ingestion: No emergency medical treatment necessary.

Inhalation: Move person to fresh air; if effects occur, consult a physician.

Note to Physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

PART V: FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flashpoint: Not Applicable.

Method Used: Not Applicable.

Autoignition Temperature: >392°F, >200°C

Flammability Limits: LFL: Not Applicable.
UFL: Not Applicable.

Hazardous Combustion Products: During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to phenolics, carbon monoxide, carbon dioxide and polycyclic aromatic compounds. Hazardous combustion products may include trace amounts of nitrogen oxides and hydrogen cyanide.

Other Flammability Information: Mechanical cutting, grinding or sawing can cause formation of dusts. To reduce the potential for dust explosion, do not permit dust to accumulate.

Extinguishing Media: Water, carbon dioxide, dry chemical.

Fire Fighting Instructions: Keep people away. Isolate fire area and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water to localize fire zone. Hand held carbon dioxide or dry chemical extinguishers may be used for small fires.

Protective Equipment For Fire Fighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting equipment (includes fire fighting helmet, coat, pants, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

Part VI: ACCIDENTAL RELEASE MEASURES

(See Section 15 for Regulatory Information)

Protect People: See MSDS Section 10 for information on stability and reactivity.

Protect the Environment: For additional information see Regulatory Information, MSDS Section 15.

Clean Up: Sweep up. Place in properly labeled containers.

PART VII: HANDLING AND STORAGE

Handling: This product is combustible and may constitute a fire hazard if improperly used or installed. When installed, this product should be adequately protected as directed by national building regulations or instructions in the specific application brochure.

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PART VII: HANDLING AND STORAGE (Cont.)

No smoking, open flame or sources of ignition in handling and storage area. Mechanical handling equipment can cause formation of dusts. Maintain good housekeeping. Layers of flammable dusts should not be permitted to accumulate. Keep dust away from ignition sources. Provide adequate local ventilation and appropriate dust handling systems.

Storage: Store flat with adequate support. Store in a dry place. Keep away from possible ignition sources. Keep away from open flames and spark producing equipment. Store in a cool, well ventilated area, away from sources of ignition. Proper ventilation is recommended to control dust formation.

PART VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

Personal Protective Equipment

Eye/Face Protection: Use safety glasses. If there is a potential for exposure to particles which could cause mechanical injury to the eye, wear chemical goggles.

Skin Protection: No precautions other than clean body-covering clothing should be needed.

Respiratory Protection: In dusty atmospheres, use an approved particulate respirator.

Exposure Guideline(s): ACGIH TLV is 10 mg/m³ inhalable, 3 mg/m³ respirable for Particulates (insoluble) Not Otherwise Classified (PNOC). OSHA PEL is 15 mg/m³ total, 5 mg/m³ respirable for PNOC.

PART IX: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid, Straw board

Odor: Mild characteristic odor

Vapor Pressure: Not applicable

Vapor Density: Not applicable

Boiling Point: Not applicable

Solubility in Water: Not applicable

Specific Gravity: Not applicable

PART X: STABILITY AND REACTIVITY

Chemical Stability: Thermally stable at typical use temperatures.

Conditions to Avoid: Avoid temperatures above 200°C (392°F). Product can decompose at elevated temperatures.

Incompatibility with Other Materials: Avoid contact with drying oils and oxidizing materials.

Hazardous Decomposition Products: Hazardous decomposition products depend upon temperature, air supply and the presence of other materials.

Hazardous Polymerization: Will not occur

PART XI: TOXICOLOGICAL INFORMATION

(See Section 3 for Potential Health Effects. For detailed toxicological data, write or call the address or non-emergency number shown in Section 1)

Mutagenicity: No relevant information found.

PART XII: ECOLOGICAL INFORMATION

(For detailed Ecological data, write or call the address or non-emergency number shown in Section 1)

Environmental Fate

Movement & Partitioning: No bioconcentration is expected because of the relatively high molecular weight (MW >1000). In the terrestrial environment, material is expected to remain in the soil.

Degradation & Persistence: No appreciable biodegradation is expected.

Ecotoxicity: Not expected to be acutely toxic to aquatic organisms.

PART XIII: DISPOSAL CONSIDERATIONS

(See Section 15 for Regulatory Information)

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. KIREI USA, LLC HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION 2 (Composition/Information On Ingredients). FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: recycler, reclaimer, incinerator, landfill.

PART XIV: TRANSPORT INFORMATION

Department of Transportation (D.O.T.):

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

PART XV: REGULATORY INFORMATION

(Not meant to be all-inclusive—selected regulations represented)

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.

SARA 313 Information:

To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

State Right-To-Know:

This product is not known to contain any substances subject to the disclosure requirements of New Jersey and Pennsylvania

OSHA Hazard Communication Standard:

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. CANADIAN REGULATIONS

WHMIS Information:

The Canadian Workplace Hazardous Materials Information System (WHMIS) Classification for this product is:
This product is exempt under WHMIS.

Canadian Environmental Protection Act (CEPA):

All substances in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.