

ISI BUILDING PRODUCTS®

SAFETY DATA SHEET

FOR INSULLITE® RECESSED LIGHT COVER

IDENTIFICATION

PRODUCT NAME: Insullite
DESCRIPTION: Fire Retardant Corrugated Cardboard
RECOMMENDED USE: Cover for recessed lights in attic prior to insulating

MANUFACTURER

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HAZARD(S) IDENTIFICATION

Nonhazardous in the form in which it is shipped by the manufacturer, but combustible dust may be formed through downstream activities (e.g., cutting, grinding, slitting) that reduce its particle size.

User should evaluate the potential to generate and control dust during processing.

PRIMARY HAZARD CLASSIFICATION: Combustible dust

WARNING: Cellulose dust may be generated during processing and may form combustible dust concentrations in the air.

COMPOSITION/INGREDIENTS

Corrugated cardboard is 90 to 93% cellulose fiber. Additional 7-10% are a nonhazardous, proprietary combination of components, including starch and water, among other minor components. A proprietary ceramic coating is also used as a fire retardant (<3%).

FIRST AID MEASURES

Most important symptoms/effects, acute and delayed: Cellulose dust may cause mechanical irritation of the nose, throat, respiratory tract and eyes. Contaminated clothing does not need to be removed. Personal protective equipment is not required for first-aid responders.

EYE: Not expected to be a problem. Fibers or fiber dust may cause irritation or scratch the eye surface. Flush with water to remove particles. Remove contact lenses if present. Consult a physician if persistent irritation or other symptoms develop.

SKIN: Not expected to be a problem. Wash contaminated skin with mild soap and water. Individuals experiencing skin sensitivity should obtain medical advice.

INGESTION: Not expected to be a problem. No adverse effects are believed to occur from swallowing a small amount. Consult a physician if symptoms develop, or if a large amount is swallowed.

INHALATION: Not expected to be a problem. Inhalation of fibers or fiber dust (which may be generated by cutting or grinding) may cause respiratory irritation. Move to fresh air if effects occur. Consult a physician if persistent coughing or other symptoms develop.

FIREFIGHTING MEASURES

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

FIREFIGHTING PROCEDURES: Positive pressure self-contained breathing apparatus and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan.

COMBUSTION PRODUCTS: Carbon monoxide; carbon dioxide; aldehydes; dense, black smoke

ACCIDENTAL RELEASE MEASURES

PROTECTIVE MEASURES: Wear appropriate protective equipment. Eliminate all ignition sources.

SPILL MANAGEMENT: Pick up and recycle or dispose as normal refuse. Minimize cleanup procedures that generated large amounts of dust. Notification to regulatory agencies is not expected to be an issue.

CONTAINMENT & CLEANUP: Collect material and place in a container for recycle (preferable) or disposal. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if released into the atmosphere in sufficient concentrations. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

HANDLING & STORAGE

HANDLING: No special precautions are necessary beyond normal good hygiene and workplace safety practices. Provide adequate ventilation.

STORAGE: Store away from heat and ignition sources, open flame, combustible materials, strong oxidizers.

EXPOSURE CONTROLS/PROTECTION

Not expected to cause adverse health effects under normal handling and storage conditions.

EYE/FACE PROTECTION: No special protection required, although eye protection is recommended if product is subject to mechanical cutting or abrasion. Use of eye protection is always good practice.

SKIN PROTECTION: No special protection required

HAND PROTECTION: Wearing gloves is good industrial practice.

RESPIRATORY PROTECTION: None needed with adequate ventilation. If the occupational exposure limits are or may be exceeded, use an NIOSH/MSHA approved particulate respirator, or a supplied air respirator, appropriate for the form and concentration of the contaminants. Select in accordance with OSHA 1910.134 or other applicable regulations and good industrial hygiene practice.

INGESTION: No special protection required

VENTILATION: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

PHYSICAL/CHEMICAL PROPERTIES

APPEARANCE: Brown formed corrugated sheets

ODOR: Odorless

AUTOIGNITION: 400-500°F

BOILING POINT: N/A

RELATIVE DENSITY: Lighter than water

EVAPORATION RATE: N/A

FLAMMABLE LIMITS: 30,000 mg/m³ (cellulose)

MELTING POINT: N/A

OCTANOL/WATER PARTITION COEFFICIENT: N/A

pH: N/A

SOLUBILITY (in water): Negligible

SPECIFIC GRAVITY: 0.91 to 1.02

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

VISCOSITY: N/A

STABILITY & REACTIVITY

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Sparks, open flame, ignition sources, extreme heat.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong acids, bases and oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion can produce carbon and oxides of carbon, possible aldehydes.

HAZARDOUS POLYMERIZATION: Reaction with strong oxidizers will generate heat and may cause fire.

TOXICOLOGICAL INFORMATION

CARCINOGENITY: Not listed as a Carcinogen by NTP, IARC, & ACGIH or regulated as Carcinogen by OSHA.

REPORTED HUMAN EFFECTS: Not a skin irritant. Dust generated by cutting or grinding may cause eye and respiratory irritation.

DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Where recycling capability is not available, dispose of waste as normal refuse. Dispose in accordance with applicable federal, state, and local waste management regulations.

RCRA INFORMATION: Unused product is not a hazardous waste specifically listed by U.S. EPA. Product does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity. It is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). Used product, however, may be regulated, depending upon contaminants to which it may have been exposed.

TRANSPORTATION INFORMATION

N/A

ECOLOGICAL INFORMATION

N/A

REGULATORY INFORMATION

It is the user's responsibility to determine what regulatory information is relevant to the usage.

CERCLA: Product is not a Reportable Hazardous Substance

EPA TSCA Inventory: All components comply with U.S. TSCA requirements; none are subject to TSCA reporting guidelines

SARA Hazard Category (311/312): No Reportable Hazard Categories

SARA 313: Fabricated product is not reportable under Toxic Release program.

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