



WYO-BEN, INC.

SAFETY DATA SHEET

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: **SOLIDIBOND 2.2**
Chemical Family: Organic
Application: Solidification
Manufacturer/Supplier: Wyo-Ben, Inc.
1345 Discovery Drive
Billings, MT 59102 USA
Telephone: 800.548.7055
Facsimile: 406.656.0748
Emergency Phone Number: CHEMTREC® 1.800.424.9300

SECTION 2 — HAZARD IDENTIFICATION

Hazard Classification: Respiratory Sensitizer (Category 1)
Skin Sensitizer (Category 1)
Carcinogenicity (Category 1A)
Specific Target Organ Toxicity (Single Exposure) (Category 3)
Specific Target Organ Toxicity (Repeated Exposure) (Category 1)

Signal Word: Danger

Hazard Statements: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
May cause cancer.
Causes damage to organs through prolonged or repeated exposure.
May form combustible dust concentrations in air.

Hazard Symbol: Health Hazard, Exclamation Mark

Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear respiratory protection. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Response: If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor.

Storage: Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards Not Otherwise

Classified: No additional information available

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Substances	CAS Number	Percent
Wood Dust	None assigned	≤23%
Non-hazardous Ingredients	Various	≥77%

SECTION 4 — FIRST AID MEASURES

Inhalation:	If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Eyes:	In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention. Dust may cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Skin:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists. Dust may cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause sensitization by skin contact.
Ingestion:	If swallowed do Not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell. May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

SECTION 5 — FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Water, carbon dioxide, sand
Unsuitable Extinguishing Media:	Do not use a heavy water stream. Use of heavy stream of water may spread fire.
Special Exposure Hazards:	Combustible dust. Products of combustion may include, and are not limited to oxides of carbon.
Special Protective Equipment	Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Avoid generating dust. Cool closed containers exposed to fire with water. Dust may form flammable mixture with air.
Precautions for Firefighters:	Keep upwind of fire. Wood dust is a strong to severe explosion hazard if a dust “cloud” contacts an ignition source. Wood heated with limited oxygen will produce carbon monoxide and carbon dioxide and hydrocarbons which can explode if oxygen is introduced..

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures:	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (ie, clearing dust surfaces with compressed air). Eliminate sources of ignition.
Containment:	Contain spill, then place in a suitable container. Minimize dust generation. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Procedure for Cleaning/Absorption:	Vacuum or sweep material and place in a disposal container. Avoid generating dust. Collect using appropriate dustless method. Provide ventilation. Use only non-sparking tools. Dispose in licensed landfill according to local, state and federal regulations.

SECTION 7 — HANDLING AND STORAGE

Handling Precautions:	Keep away from sources of ignition - No smoking. Proper grounding procedures to avoid static electricity should be followed. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Do not swallow. Minimize generation of dust. Prevent accumulation of dust. Good housekeeping is important to prevent accumulation of dust. The use of compressed air for cleaning clothing, equipment, etc, is not recommended. Handle an open container with care. When using do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wash hands before eating, drinking, or smoking. Launder contaminated clothing before reuse.
Storage Information:	Store in a cool, dry location. Store away from sources of ignition. Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Substances	CAS Number	ACGIH TLV-TWA	OSHA PEL-TWA*
Wood Dust	None	Not applicable	Not applicable

* More restrictive exposure limits may be enforced by some states, agencies, or other authorities.

Engineering Controls:	Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is not leakage from the equipment).
Personal Protective Equipment:	If engineering controls and work practices cannot prevent excessive exposures, the selection and proper use of personal protective equipment should be determined by an industrial hygienist or other qualified professional based on the specific application of this product.
Respiratory Protection:	In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hand Protection:	Wear chemically resistant protective gloves.
Skin Protection:	Wear suitable protective clothing appropriate for the work environment. Dusty clothing should be laundered before reuse. Use precautionary measures to avoid creating dust when removing or laundering clothing.
Eye Protection:	Wear safety glasses or goggles to protect against exposure.
Other Precautions:	Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Granular Solid
Color:	Various
Odor:	Wood odor
pH:	Not applicable
Specific Gravity @ 20 C (Water=1):	Not determined
Density @ 20 C (lbs/gallon):	Not determined
Bulk Density @ 20 C (lbs/ft ³):	Not determined
Boiling Point/Range (F/C):	Not applicable
Freezing Point/Range (F/C):	Not applicable
Vapor Pressure @ 20 C (mmHg):	Not applicable
Vapor Density (Air=1):	Not applicable
Percent Volatiles:	Not applicable
Evaporation Rate (Butyl Acetate=1):	Not applicable
Solubility in Water (g/100ml):	Insoluble
Solubility in Solvents (g/100ml):	Not applicable
VOCs (lbs/gallon):	Not applicable
Viscosity, Dynamic @ 20 C (centipoise):	Not applicable
Viscosity, Kinematic @ 20 C (centistrokes):	Not applicable
Partition Coefficient/n-Octanol/Water:	Not applicable
Molecular Weight (g/mole):	Not applicable
Flash Point/Range (F/C):	Not determined
Flash Point Method:	Not applicable
Autoignition Temperature (F/C):	Variable with exposure to temperatures as low as 212°F (100°C)
Flammability Limits in Air – Lower (%):	Not determined
Flammability Limits in Air – Upper (%):	Not determined
Explosive Limits in Air:	40g/m ³ (LEL for wood dust)

SECTION 10 — STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	Stable under normal storage conditions. Combustible dust.
Possibility of Hazardous Reactions:	No dangerous reaction known under conditions of normal use.
Conditions to Avoid:	Heat. Incompatible materials. Sources of ignition.
Anticipated Incompatibility (Materials to Avoid):	Oxidizing agents. Drying oils.
Hazardous Decomposition Products:	Thermal-oxidative degradation of wood produces irritating and toxic fumes and gases, including carbon monoxide, aldehydes and organic acids.
Additional Guidelines:	Not applicable

SECTION 11 — TOXICOLOGICAL INFORMATION

Principle Route of Exposure: Eye or skin contact, inhalation.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Contact: May cause an allergic skin reaction.

Eye Contact: May cause mechanical eye irritation.

Ingestion: None known

Aggravated Medical Conditions: Individuals with respiratory disease, including but not limited to asthma and bronchitis, or subject to eye irritation, should not be exposed to wood dust.

Chronic Effects/Carcinogenicity: The International Agency for Research on Cancer (IARC, 1995) concludes that there is sufficient evidence in humans for the carcinogenicity of wood dust (IARC Group 1). IARC states that studies consistently indicate that occupational exposure to wood dust is causally related to adenocarcinoma of the nasal cavities and paranasal sinuses and that concentration of wood dust and the duration of exposure may also contribute to differences in the risks of workers exposed to different types of wood.

The National Toxicology Program (2002) lists wood dust as known to be a human carcinogen.

Toxicity Tests

Acute Toxicity: Not classified

Oral Toxicity: No data available

Dermal Toxicity: No data available

Inhalation Toxicity: No data available

Primary Irritation Effect: Not classified

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Carcinogenicity:	May cause cancer
Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Reproductive/Developmental Toxicity:	Not classified
Specific target organ toxicity (single exposure):	May cause respiratory irritation.
Specific target organ toxicity (repeated exposure):	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard:	Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation:	May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/injuries after skin contact:	Dust may cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause sensitization by skin contact.
Symptoms/injuries after eye contact:	Dust may cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/injuries after ingestion:	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

SECTION 12 — ECOLOGICAL INFORMATION

Mobility (Water/Soil/Air):	Not determined
Persistence/Degradability:	Not determined
Bio-accumulation:	Not determined
Ecotoxicological Information	
Ecology – general	May cause long-term adverse effects in the aquatic environment
Acute Fish Toxicity:	Not determined
Acute Crustaceans Toxicity:	Not determined
Acute Algae Toxicity:	Not determined
Chemical Fate Information:	Not determined
Other Information:	Not applicable

SECTION 13 — DISPOSAL CONSIDERATIONS

Disposal Method:	If product should become a waste dispose in a licensed landfill according to federal, state and local regulations. The generation of waste should be avoided or minimized wherever possible.
Contaminated Packaging:	Follow all applicable national or local regulations.

SECTION 14 — TRANSPORT INFORMATION

Land Transportation	
DOT – Not regulated as dangerous goods	
Canadian TDG – Not regulated as dangerous goods	
Other Transportation Information	
Labels: None	

SECTION 15 — REGULATORY INFORMATION

US Federal Regulations: No additional information available

US State Regulations: California Proposition 65: This product contains a substance known to the State of California to cause cancer.

SECTION 16 — OTHER INFORMATION

Prepared 05/31/2017

Last Revision None

DISCLAIMER

All information presented herein is believed to be accurate; however, it is the user's responsibility to determine in advance of need that the information is current and suitable for their circumstances. No warranty or guarantee, expressed or implied is made by WYO-BEN, INC. as to this information, or as to the safety, toxicity or effect of the use of this product.