



Material Safety Data Sheet

V1.0



LULI OSB (Oriented strand board)

SECTION 1. Identification

<u>Supplier Name</u>	Hunan Luli Wood Co.,Ltd/Shouguang Luli Wood Inc.
<u>Product Identifier</u>	LULI OSB/H2S Treated OSB/FOSB (Oriented Strand Board/FACING Oriented Strand Board)
<u>Trade Name</u>	LULI OSB (Oriented Strand Board)
	This includes, but is not limited to: LULI OSB 4, OSB 3, OSB 2, H2S Treated OSB, Structural Flooring Board, FOSB
<u>Recommended Use</u>	The product is used for sheathing in walls, flooring, and roof decking.
<u>Address</u>	Houzhen, Shouguang, shandong, China.
<u>Emergency Number</u>	+86 536 5762000
<u>Email</u>	shaomin@luligroup.com
<u>Date of Preparation</u>	Jan 7th, 2026

SECTION 2. Hazard Identification

Hazard Classification:

Carcinogenicity – Category 1A: H350

Skin Sensitisation – Category 1B: H317

Specific Target Organ Toxicity (Single Exposure) – Category 3: H335

Hazardous to the Aquatic Environment – Acute Category 1: H400

Hazardous to the Aquatic Environment – Chronic Category 1: H410

Signal Word: DANGER (due to carcinogenicity and severe aquatic toxicity)

Hazard Statements:

H350: May cause cancer by inhalation

H335: May cause respiratory irritation

H317: May cause an allergic skin reaction

H410: Very toxic to aquatic life with long-lasting effects

Precautionary Statements:

P201: Obtain special instructions before use.

P261: Avoid breathing dust.

P273: Avoid release to the environment.

P280: Wear protective gloves, eye protection, and respiratory protection.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P308+P313: If exposed or concerned: Get medical advice/attention.

P321: Specific treatment (see Section 4).



P330: Rinse mouth.

P391: Collect spillage.

P501: Dispose of contents/container in accordance with local regulations.

SECTION 3. Composition/ Information on Ingredients

This product is a mixture composed of the following ingredients:

Ingredients	CAS Number	Content
Wood Dust	N/A	90-95%
polymeric diphenylmethane diisocyanate	9016-87-9	4-5%
Imidacloprid	138261-41-3	<1%
Paraffin wax	8002-74-2	0.5-1%

SECTION 4. First Aid Measures

Description of first aid measures

Eye	Rinse/flush exposed eye(s) gently with water for 15–20 minutes, holding eyelids open. Remove contact lenses if present and easy to do. Seek medical advice if irritation persists.
Inhalation	Move to fresh air if breathing is difficult. Administer oxygen if available. If not breathing, trained personnel should perform artificial respiration. Seek medical attention if symptoms persist.
Skin	Rinse/flush exposed skin gently using soap and water for 15-20 minutes until chemical is removed. Wood dust of certain species may elicit allergic contact dermatitis in sensitized individuals and can cause mechanical irritation. Seek medical advice if discomfort or irritation persists
Ingestion	Ingestion of dust or small particles is unlikely due to the product's solid form. If ingested, rinse mouth thoroughly with water and seek medical attention if discomfort persists.

Most important symptoms and effects, both acute and delayed

Irritation, nausea, headache, shortness of breath.

Advice to Doctor

Treat symptomatically. Imidacloprid, present in trace amounts, may cause mild neurological symptoms (e.g., dizziness, tremors) in extreme cases of high exposure. Monitor for respiratory irritation or allergic reactions due to wood dust or MDI.

SECTION 5. Fire Fighting Measures

Suitable Extinguishing media

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition. Use water, dry chemical, chemical foam, carbon dioxide.

Hazards from Combustion

Thermal decomposition may release irritating and toxic gases, including carbon monoxide (CO), carbon dioxide (CO₂), nitrogen oxides (NO_x), isocyanates from polymeric diphenylmethane diisocyanate (MDI), and formaldehyde from wood or adhesives.

Protection for Firefighters

Use respiratory protection/breathing apparatus. Move product containers away from fire or keep



cool with waterspray as a protective measure, where feasible. Avoid inhaling gases, fumes, dust, mist, vapor, and aerosols. Avoid contact with skin, eyes, and clothing. Evacuate area and contact emergency services.

Hazchem Code

Not applicable. This product is a solid material and does not require a specific emergency action code under Australian Transport Regulations and not classified as a dangerous good under UN Model Regulations

SECTION 6. Accidental Release Measures

Spills

The product is a solid material and does not spill. Collect wood dust generated from cutting, sanding, or machining using vacuum systems or wet methods to minimize airborne dispersion. Dispose of dust and off-cuts in suitable closed containers in accordance with local regulations.

Personal precautions

Wear appropriate Personal Protective Equipment (PPE). Ensure adequate ventilation.

Emergency procedures

Eliminate all ignition sources.

Environmental precautions

Prevent product from reaching drains, sewer and waterways. Should not be released into environment.

Clean-up Methods

Keep in suitable closed containers for disposal. Wood dust generated from sawing, sanding, or machining may be vacuumed or shoveled for recovery or disposal. Minimize dust generation and ensure adequate ventilation. Avoid dispersal of dust in the air. Always obey local regulations.

Reference to other sections

Refer to Sections 8 and 13 for exposure controls and disposal.

SECTION 7. Handling and Storage

Handling

Before use, read the product label carefully. Use dust extraction or ventilation when cutting or sanding. Avoid breathing dust and contact with eyes, skin, or clothing. Wash hands thoroughly after handling. No smoking near the product due to the risk of ignition from accumulated wood dust.

Storage

Store in a dry, well-ventilated area. Protect from moisture, sunlight, and physical damage.

SECTION 8. Exposure Controls / Personal Protection

Control parameters

Exposure standards	Ingredient	Reference	8 hr TWA	10mins STEL
	Wood dust	Safe Work Australia	1.0 mg/m ³	-



	MDI	Safe Work Australia	0.02 mg/m ³	0.07 mg/m ³
	Imidacloprid	-	Not established	

Exposure controls

Engineering controls	Use local exhaust ventilation or dust extraction systems during cutting or sanding. Maintain dust / fume levels below the recommended exposure standard.			
	Eye / Face	Wear glasses or dust-proof goggles.		
Personal Protective Equipment	Hands	Wear cloth, canvas, leather or cotton gloves.		
	Body	Wear long-sleeved clothing or coveralls during cutting, sanding, or other dust-generating activities to minimize skin exposure.		
	Respiratory	If cutting or sanding with potential for dust generation, wear a P2/N95 respirator.		
	General hygienic measures:	Wash hands before breaks and at the end of work. Avoid contact with skin, eyes, and clothing. Before wearing wash contaminated clothing.		

SECTION 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Solid	Vapour pressure	Not applicable
Odour	Slight Odour	Upper explosion limit	Not applicable
Flammability	Combustible	Lower explosion limit	Not applicable
Flash point	Not applicable	Partition coefficient	Not applicable
Boiling point	Not applicable	Solubility (water)	Insoluble
Melting point	Not applicable	Decomposition temperature	Not applicable
Evaporation rate	Not applicable	Viscosity	Not applicable
pH	Not applicable	Explosive properties	Not applicable
Auto/Self-ignition temperature	Not applicable	Oxidising properties	Not applicable
Relative density	Approx. 550-750kg/m ³ varies by product type	Odour threshold	Not applicable

SECTION 10. Stability and Reactivity

Reactivity

Nonreactive under normal conditions.

Stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Avoid accumulation of dusts, heat, sparks, open flames and other sources of ignition.

Incompatible materials

No data available.

Decomposition products

Decomposition Products: Thermal decomposition may produce carbon monoxide (CO), carbon



dioxide (CO₂), nitrogen oxides (NO_x), and isocyanates from polymeric diphenylmethane diisocyanate (MDI).

SECTION 11. Toxicological Information

The intact product is not expected to pose a hazard; however, dust generated from machining may be hazardous.

Acute Toxicity: Ingestion of dust may cause mild gastrointestinal irritation but is unlikely under normal use. Inhalation of dust may cause respiratory irritation

Skin Sensitisation: Not classified as causing skin or respiratory sensitisation.

Respiratory Effects: Inhalation of dust may irritate respiratory tract.

Carcinogenicity: Wood dust is classified as carcinogenic to humans with prolonged exposure.

Chronic Effects: Repeated exposure to dust may cause skin or respiratory sensitisation.

Repeated exposure to wood dust may cause skin or respiratory sensitization. Prolonged inhalation of MDI may lead to asthma-like symptoms or respiratory sensitization.

SECTION 12. Ecological Information

Eco toxicity Persistence and degradability

Wood is biodegradable but may persist in anaerobic conditions. MDI and paraffin wax have low biodegradability. Imidacloprid is persistent in aquatic environments

Accumulative potential

Imidacloprid has low bio accumulation potential in terrestrial organisms but may accumulate in aquatic environments.

Mobility in soil

Imidacloprid is moderately mobile in soil (Koc 225–800), with potential to leach into groundwater under certain conditions.

Other adverse effects

Imidacloprid is highly toxic to pollinators (e.g., bees) and should be handled to prevent environmental release.

SECTION 13. Disposal Considerations

Waste treatment methods

Dispose of waste, including dust and off-cuts, at licensed waste facilities in accordance with local regulations. Explore recycling options for untreated wood waste where available. Do not burn treated wood in open fires or residential stoves due to potential toxic fume release.

SECTION 14. Transport Information

UN Number Not regulated

Proper Shipping Name Not applicable

Hazard Class Not applicable



Packing Group Not applicable

Environmental Hazards Not applicable

Contains imidacloprid, which is toxic to aquatic life with long-lasting effects. Not regulated as a dangerous good under UN Model Regulations but handle to prevent environmental release.

SECTION 15. Regulatory Information

Poison schedule

Due to imidacloprid concentration , this product is not classified under SUSMP Schedule 5 or 6.

Classifications

Safe Work Australia, for classifying hazardous chemicals in the workplace, bases its criteria on the Globally Harmonised System (GHS), specifically the 7th revised edition (GHS 7).

SECTION 16. Other Information

This SDS is intended for safety education and not for use as specifications or warranties. The information was obtained from reliable sources and is provided without warranties regarding accuracy. Luli Group Corp. Co., Ltd. assumes no liability for damages arising from improper handling, use, or storage beyond our control. Users are responsible for ensuring a safe workplace in accordance with local regulations.

References:

- Safe Work Australia: Hazardous Chemical Information System (HCIS).
- Globally Harmonised System of Classification and Labelling of Chemicals (GHS), 7th Revised Edition.
- Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).