

MATERIAL SAFETY DATA SHEET

Birch plywood RIGA

1. PRODUCT/MATERIAL AND COMPANY/ENTERPRISE IDENTIFICATION

Product name, description and code:	Birch plywood <i>RIGA</i> ® - raw, overlaid or with special overlay and composite construction, bonded with phenol formaldehyde or lignin phenol formaldehyde, or melamine urea formaldehyde synthetic resin adhesive, HS code 44123300
Expected application:	Interior and protected exterior use: e.g., transport, building and construction, joinery, sport outfit, furniture, packaging etc
Manufacturer:	<i>Latvijas Finieris AS</i> Bauskas str 59, Riga, LV –1004, Latvia Phone: (+371) 67067207 e-mail: Info@finieris.lv

2. HAZARDS IDENTIFICATION

The primary health hazard posed by this product is thought to be wood dust generated from sawing, sanding or other mechanical processing which increases the risk of ignition and other health related risks.

Classification of the substance or mixture:

Not classified for physical or health hazards under GHS.
Hazards Not Otherwise Classified - Combustible Dust.

Potential health hazards

Inhalation:

Wood dust can cause irritation, nasal dryness and cough.

Eye contact:

Wood dust can cause irritation.

Skin contact:

Plywood products razor sharp edges can cause skin injuries.

Wood dust can cause allergic contact dermatitis for sensitized individuals.

Ingestion:

Not applicable under normal (traditional) conditions of use.

3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Product contents:

Wood, phenol formaldehyde or lignin phenol formaldehyde, or melamine urea formaldehyde synthetic resin adhesive

Ingredient name	CAS-Nr EINECS-Nr EC-Nr	Classification	Content in mass, %
Wood	N/A	N/A	84,1 – 90,4
Phenol formaldehyde or lignin phenol formaldehyde or melamine urea formaldehyde resin adhesive	N/A	N/A	8,4 – 9,2
Overlays, composite materials	N/A	N/A	0 – 6,3

Free formaldehyde release meets the requirements of

- class E1 according with EN 13986+A1:2015,
- EPA TSCA Title VI and CARB Phase 2 according with ASTM D 6007.

4. FIRST AID MEASURES

Requirements apply to wood dust formed during plywood processing.

Inhalation:

Remove the exposed individual to fresh air. Get medical attention, if irritation, severe coughing or breathing difficulty occurs.

Eye contact:

Flush eyes with running water. Get medical attention.

Skin contact:

Wash affected areas with soap and water. If a person develops an allergy, it is necessary to be moved to fresh air where there is no dust of plywood and plywood products. If rash, irritation or dermatitis occurs, get medical attention. If skin is injured, disinfect it and apply a bandage.

5. FIRE- FIGHTING MEASURES

Fire extinguishing media:

CO₂ powder, water and foam.

Hazardous combustion products:

Thermal oxidizing degradation or combustion of plywood can produce irritating or potentially toxic fumes and gases, including carbon monoxide and CO₂. In case of complete combustion CO₂ and H₂O (water) are formed.

6. ACCIDENTAL RELEASE MEASURES

Requirements apply to wood dust formed during product processing.

Personal precautions:

Avoid plywood dust contact with eyes and respiratory organs. Use individual protective equipment.

Collecting methods:

The dust should be cleaned-up or collected with vacuum equipment to dispose or recycle it. Clean up or disposal of plywood dust should be carried out in a manner to minimize disperse of plywood dust.

7. HANDLING AND STORAGE

No special handling precautions required for product in purchase form. These products may release very small quantities of formaldehyde in gaseous form. Store in a well-ventilated, cool, dry place away from open flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Provide general ventilation in processing and storage so the exposure limits are met. Ventilation to control dust should be considered where potential explosive concentrations and ignition sources are present.

Personal protection

General requirements:

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink and smoke while working with plywood. Before eating wash your hands with soap. As wood dust generated from sawing, sanding and machining may cause risk of ignition, please observe safety requirements in order to prevent possibility of ignition. Do not use open fire. Use of totally built-in motors is recommended.

Respiratory protection:

Ensure adequate ventilation. In case of inadequate ventilation wear individual protective equipment – respirator.

Eye protection:

Wear safety goggles.

Hand (skin) protection:

Wear gloves and appropriate protective clothing.

Environment protection:

Prevent piling up of dust which may cause risk of ignition.

9. PHYSICAL AND CHEMICAL PROPERTIES**General information**

The products are manufactured as pressed boards ranging in standard thickness from 4mm to 50 mm made from birch wood veneers bonded with phenol formaldehyde or lignin phenol formaldehyde or melamine urea formaldehyde synthetic resin adhesive

Physical state (20 °C): Solid material

Self-ignition: ~ 270 °C

Density: 670 ... 760 kg/m³ (depends on e.g. density of raw wood, moisture content)

10. STABILITY AND REACTIVITY**Stability:**

Stable under normal conditions.

Reactivity:

Non-reactive under normal conditions.

Hazardous combustion substances:

Thermal and/or thermal oxidative decomposition can produce irritating and toxic fumes and gases including carbon monoxide, hydrogen cyanide, aldehydes, organic acids and polynuclear aromatic compounds.

11. TOXICOLOGICAL INFORMATION**Potential impact on health****Inhalation:**

Plywood dust can cause irritation, nasal dryness and coughing.

Skin contact:

Prolonged skin contact can cause skin dermatitis and eczema.

Eye contact:

Sawdust can cause eye irritation.

Potential chronic health hazard: not observed.

12. ECOLOGICAL INFORMATION**Environmental effect:**

Product is not classified as hazardous to environment.

Biopersistence and Degradability:

Wood in this product or by product would be expected to be biodegradable.

Bioaccumulation:

Not expected to bioaccumulate.

13. DISPOSAL CONSIDERATIONS**Product residues:**

Dry land disposal or incineration is acceptable in most areas. It is however the user's responsibility to determine at the time of disposal whether your waste meets any jurisdictional criteria.

Packing:

The packing can be re-used. Polyethylene, paper and metal packaging can be recycled. Plywood and wood packaging materials can be utilized by burning.

Not advised for burning in low temperature equipment e.g. home stove.

14. TRANSPORT INFORMATION

UN number: -
ADR: -
RID: -
IMDG: -
ICAO/IATA: -

15. REGULATORY INFORMATION**Classification:**

Product is not classified as hazardous.

Additional safety and regulatory information:

Birch plywood under the trade name RIGA® is manufactured with application of chemicals fulfilling requirements of REACH registration, including requirements of REACH Annex XVII "Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles". Regardless of formaldehyde, being significantly below indicated limit values, RIGA® birch plywood does not contain any substances listed in both the REACH Annex for prohibited hazardous substances and Candidate List of Substances of Very High Concern for Authorization.

16. OTHER INFORMATION**Precautionary Statements:****Prevention Statements:**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243: Take precautionary measures against static discharge.

P261: Avoid breathing dust.

P280: Wear protective gloves/protective clothing/eye protection.

Response Statements (wood dust):

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P302+352: IF ON SKIN: Wash with plenty of water.

Storage:

P402: Store in a dry place.

P403: Store in a well-ventilated place.

Disposal:

P501: Dispose of in accordance with local law or regulation.

Issue date: 06.2021

Version: 2

This Material Safety Data Sheet is prepared taking into consideration experience of our knowledge and that of our suppliers as well as information available in scientific literature. The information relates only to intended purpose of product application. *Latvijas Finieris* AS is not responsible for conformity and application of this information to other specific kinds of application.