



# MATERIAL SAFETY DATA SHEET

## 1. PRODUCT IDENTIFICATION

### Manufacturer Country

Russia

### Product Identification

Birch Plywood

### Synonyms

Bietula

Birch

White Birch | Interior, Urea based glue (E-1)

### Trade Name

Russian Birch

Baltic Birch

### Description

This panel product Contains Birch veneers bonded together, E-1 Urea resin.

### Potential airborne releases

Manual or mechanical cutting or abrasion process performed on the product can result in generation of wood dust.

## 2. PHYSICAL DATA

Physical State	Solid
Boiling point	Not applicable
Vapor density	Not applicable
Melting point	Not applicable
% Volatiles by volume	0%



Specific Gravity	Less than 1
Solubility (% by weight)	Less than 0.1%
Evaporation rate (Butyl acetate = 1)	Not applicable
Appearance	Light tan to dark tan

### **3. REACTIVITY DATA**

#### **Conditions contributing to instability**

Stable under normal conditions.

#### **Incompatibility**

Avoid Contact with oxidizing agents. Avoid open flame.

#### **Hazardous polymerization**

Not applicable.

#### **Hazardous decomposition products**

Thermal and/or thermal oxidative decomposition can produce Irritating and toxic fumes and gases.

### **4. FIRE AND EXPLOSION DATA**

#### **Flash point**

Not applicable.

#### **Explosive limits in air**

Sawing, sanding or machining can produce wood dust which may present an explosion hazard if a dust cloud contacts an ignition source.



## **Extinguishing media**

Water, Carbon dioxide, Sand.

## **Auto ignition temperature**

Not applicable (Will depend upon duration of exposure to heat and other variables).

## **5. HEALTH EFFECTS INFORMATION AND EXPOSURE LIMITS**

### **Formaldehyde**

OSHA PEL – TWA 0.75 ppm

OSHA PEL – STEL 2 ppm

ACGIH TLV – CEILING 0.3 ppm

### **Wood dust**

OSHA PEL TWA 5 mg/m<sup>3</sup>

OSHA PEL – STEL 10 mg/m<sup>3</sup>

### **Skin contact**

Various species of wood dust may evoke allergy. Contact dermatitis in sensitive individuals.

### **Ingestion**

Not likely to occur.

### **Eye contact**

Wood dust can cause mechanical Irritation.



## **Burning**

According to ISO/DIS 5660 tests, the toxicity index of fire effluents was small, but there are many compounds in smoke which can cause irritation to eyes, nose and throat.

## **Inhalation of wood dust**

Wood dust may cause nasal dryness, Irritation and obstruction. Coughing, wheezing and sneezing; sinusitis and prolonged colds have also been reported. OSHA or the National Toxicology Program (NTR) does not consider plywood dust a potential cancer hazard. The International Agency for Research on Cancer (IARC) classifies plywood dust as a carcinogen to humans (Group 1). This classification is based primarily on IARC's evaluation of increased risk in the occurrence of adenocarcinomas of the nasal cavities and paranasal sinuses associated with exposure to plywood dust. IARC did not find sufficient evidence to associate cancers of the oropharynx, hypopharynx, lung, lymphatic and hematopoietic systems, stomach or colon exposure to plywood dust.

## **6. HANDLING AND STORAGE**

### **Handling**

Provide adequate ventilation to reduce the possible buildup of formaldehyde gas, particularly when high temperatures occur. Avoid dusty conditions and provide good ventilation.

### **Storage**

Plywood products are combustible and, therefore, should not be subjected to temperatures exceeding the auto ignition temperature. Water spray may be used to wet down plywood dust generated by sawing, sanding or machining to reduce the likelihood of ignition or dispersion of dust into the air.



## **7. GENERALLY APPLICABLE CONTROL MEASURES**

### **Engineering Controls**

Due to the explosive potential of plywood dust when suspended in air, precautions should be taken during sanding, sawing or machining of plywood products to prevent an ignition sources in ventilation equipment. Use of totally enclosed motors is recommended. Provide local exhaust as necessary to meet OSHA requirements for plywood dust exposure.

### **Respiratory Protection**

Wear NIOSH/OSHA approved respirator when the exposure limits to plywood dust may be exceeded.

### **Skin Protection**

Protective equipment such as gloves and outer garments may be needed to reduce skin contact.

### **Eye Protection**

Recommended goggles or safety glasses as conditions indicate when sawing, sanding or machining plywood products.

## **8. EMERGENCY AND FIRST AID PROCEDURES**

### **Eye Contact**

Remove contact lenses. Flush eyes. Including under eyelids, with little amounts of water. If irritation persists, get medical attention.

### **Skin Contact**

Wash affected areas with soap and water. If rash or persistent irritation or dermatitis occurs, get medical attention.

### **Inhalation**

Remove to fresh air. If persistent irritation, severe coughing or breathing difficulty occurs, get medical attention.



## Ingestion

Not applicable under normal conditions of use.

**IMPORTANT:** Information contained in the Material Safety Data Sheet is based on the experience of occupational health and safety professionals and comes from sources believed to be accurate or otherwise technically correct. It is the user's responsibility to determine if this information is suitable for their application and to follow safety precautions as may be necessary. The user has the responsibility to make sure that this sheet is the most up-to-date issue.