

# SAFETY DATA SHEET

According to EC Regulation 1907/2006 (REACH), Attachment II

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## Art-Stuc Pava Fino-Grosso (thin-thick)

### 1 – Product and Company Identification

**Product data:**

Resin binder filled with quartz.

**Commercial name:**

Art-Stuc Pava fino-grosso (thin-thick)

**Article number:**

If there are not REACH registration number, substance is free from registration, it does not reach minimum volume threshold for registration or registration date is not near yet.

Sheet by: Pava Resine laboratory

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**Safety data Sheet by**

PAVA Resine laboratory.

**Interlocutor**

PAVA Resine laboratory.

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### 2 – Hazards identification

**Hazard classification** None

**Hazard indications to human and environment**

**Classification system:**

It is not a dangerous product according to German regulation on dangerous substances and 2006/121/EC or 1999/45/EC directives. Globally Harmonized System (GHS). Product is not subjected to labelling according to GHS standard.

### 3 – Composition/Information on ingredients

**Chemical characteristics:**

Water-based dispersion of acrylic polymer with quartz inert.

### 4 – First-Aid Measures

**General indications:**

Take off contaminated clothes.

**Inhalation:**

In case of breathing ways irritation, consult a doctor.

**Contact with skin:**

Wash immediately with soap and abundant water. Consult a doctor if there are dermal reactions.

**Contact with eyes:**

Wash thoroughly (at least 10 min.) eyes with warm water taking eyelids open, consult an ophthalmologist.

**Ingestion:**

Do not cause vomit, consult a doctor.

### 5 – Fire-Fighting Measures

**Suitable extinguishing means:**

Carbon dioxide (CO<sub>2</sub>), lather, fire-fighting dust, in case of extended fires also nuke dump water.

**Extinguishing means that are unsuitable for safety reasons:**

Abundant dump water.

**Specific protective means:**

Wear life-support system.

**Combustion risks:**

Combustion develops carbon monoxide and oxide, nitrogen oxides and traces of hydrocyanic acid. In case of fire and/or explosion do not breathe smokes. Do not discharge water used to extinguish into soil and waterways.

### 6 – Accidental release measures

**Personal precautions:**

Wear protective equipment: gloves and clothes. Provide for a good ventilation. Keep far not equipped people. (see point 8)

**Environmental precautions:**

Do not discharge into sewers, waterways and into soil. In case of seepage into waterways or sewers advise competent authorities.

**Cleanup:**

Pick up residuals with a glue for chemical reactives, eventually with dry sand and close them into packings.

**7 – Handling and Storage****Handling:**

Follow usual precautionary measures for chemical products handling. Avoid contact with skin and eyes.

**Indications for a safe handling:**

During laying good ventilation in work places.

**Indications in case of fire and explosion:**

Keep far from heat sources, do not smoke.

**Storage:**

Keep hermetically closed packing in a dry and ventilated place. Further information on storing conditions that have to be respected for quality guarantee are contained in our technical sheet.

**Indications on mixed storage:**

Not necessary.

**Further indications regarding storing conditions:**

None.

**Storage class:**

VbF class (relating to combustible substances): not necessary.

**8 – Exposure supervision/personal protection****Further indications on structure of technical plants:**

It is not necessary to indicate limit values in work places, according to 2006/121/CE directive; see point 7.

**Components with workplace control parameters:**

Emission and quantity of indicated substance depend on work conditions.

7664-41-7: ammonia

TWA value 14 mg/m<sup>3</sup>; 20 ppm (OEL )IT))

STEL value 36 mg/m<sup>3</sup>; 50 ppm (OEL )IT))

**Further indications:**

Good ventilation in work places.

**Personal protective means:**

Wear protective equipment: mask in places not ventilated and during spray work gloves and clothes.

**General protective and work hygiene norms:**

Keep far from foods, beverages and fodder.

Remove contaminated clothes.

Wash hands before pause or when you have finished to work.

Avoid contact with eyes and skin.

**Protective mask:**

Necessary in case of insufficient ventilation and during spray work.

**Protective gloves:**

Protective gloves resistant to chemical products; EN 374-3

Fluorine rubber – FKM: thickness ≥ 0,4 mm; insurgence time ≥ 480 min.

Butyl rubber – IIR: thickness ≥ 0,5 mm; insurgence time ≥ 480 min.

Nitrile rubber – NBR: thickness ≥ 0,35 mm; insurgence time ≥ 480 min.

Recommendation: dispose contaminated gloves in an adequate way.

**Protective glasses:**

Safety glasses with lateral protection (cage glasses) (for example EN 166).

**Protective clothing:**

Use proper protective clothes, in synthetic or natural fiber for skin protection.

**9 – Physical and chemical properties**

<b>Form:</b>	Liquid.
<b>Color:</b>	White.
<b>Smell:</b>	Typical smell
<b>pH:</b>	7,5-9
<b>Status change:</b>	n.a.
<b>Melting temperature/melting range:</b>	n.a.
<b>Boiling temperature/boiling range</b>	100°C
<b>Flammability point:</b>	No flammability point till boiling
<b>Self-flammability:</b>	n.a.
<b>Explosion danger:</b>	Product is not explosive.
<b>Steam tension (mm/Hg):</b>	ca. 23 hPa at 20°C
<b>Density (Air=1):</b>	ca.1,04 g/cm cubic at 20 °C
<b>Water soluble:</b>	Partially soluble.
<b>Solvent way:</b>	Absent.
<b>Organic solvents:</b>	Absent.
<b>Partition coefficient: n-Octano/water:</b>	n.a.
<b>Viscosity (CPS):</b>	700-1.500 mPa.s at 23 °C
<b>Relative density:</b>	n.a.

## **10 – Stability and Reactivity**

### **Thermal decomposition:**

No decomposition with correct storage and handling

### **Dangerous reactions:**

None.

### **Dangerous decomposition products:**

During drying/hardening of paint neutralizing is released.

## **11 – Toxicological information**

### **Toxicological information:**

No information available concerning formulation.

### **LD/LC50 values found for the classification:**

**Acute toxicity, oral: DL50 rat:** >2.000 – 10.000 mg/kg (toxicological exams on a equivalent product).

### **Primary irritation:**

Irritant effect assessment: if product, drying, sticks to skin it can cause irritation.

### **On skin:**

Irritant effect assessment: if product, drying, sticks to skin it can cause irritation.

Corrosion/irritation of rabbit skin: not irritant. (Guide line OECD 404).

### **On eyes:**

Not irritant.

Important damages to eyes/eyes irritation on rabbit: not irritant. (Guide line OECD 405).

### **Sensitization**

Assessment of sensitizing effect: tests on animals have not shown sensitizing actions. Product has not been tested. Data is deducted from products with similar structure and composition.

#### Mutagenicity on stem cells

Mutagenicity assessment: substance is not mutagenic on bacteria. Product has not been tested. Data is deducted by products with similar structure and composition.

#### Carcinogenicity

Carcinogenicity assessment: according to all information available it does not result any references to a possible carcinogenic effect.

#### Reproductive toxicity

Toxicity assessment for reproduction: no reproductive toxicity expected (according to composition).

#### Toxic for development

Teratogenicity assessment: available data cannot give a correct assessment of a possible reprotoxic effect of the substance.

#### Toxicity of repeated specific dose for aim organs (repeated exposition)

Toxicity assessment after repeated administration: no negative effects on animals tests after inhaled repeated exposition. Product has not been tested. Data are deducted by products with similar structure and composition.

### **Further toxicological data:**

With a correct use and handling according to prescription and our experiences and information, product does not cause harmful effects. This is deducted by products with similar composition.

## **12 – Ecological information**

### **Toxicity:**

Aquatic toxicity assessment: with probability product is not harmful for aquatic organisms. Correct insertion of low concentrations in biological purification plant would not compromise degradation activity of active mud.

#### Toxicity to fish:

CL50 (96h) > 100 mg/l, Brachydanio rerio (OECD – guide line 203, static).

#### Aquatic invertebrates:

CE50 (48h) > 100 mg/l, Daphnia magna (OECD – guide line 202, part 1, static).

#### Aquatic plants:

CE50 (72h) > 100 mg/l, Scenedesmus subspicatus (OECD – guide line 201)

Nominal concentration.

#### Microorganisms/effects on active mud:

CE20 (0,5h) > 100 mg/l, active mud, domestic (DIN EN ISO 8192-OECD 209-88/302/CEE,P. C)

Correct insertion of low concentrations in biological purification plant would not compromise degradation activity of active muds

### **Persistence and degradability:**

Biodegradation and elimination assessment: (H<sub>2</sub>O):

Product through abiotic process, for example: absorption on active mud, it can be completely removed by water.

#### Considerations on disposal:

> 70% reduction of DOC (OECD 302B; ISO 9888; 88/302/CEE, parte C) It can be removed by water.

### **Bioaccumulation potential:**

Bioaccumulation potential: considering structural characteristics, polymeric part is not bio-available. Organisms accumulation does not have to be expected.

#### **Soil mobility (to other compartment if available)**

Transport assessment among environmental departments: no data available

#### **PBT and vPvB assessment results**

According to 453/2010/CE regulation: product does not have substances that satisfy PBT standards (persistent, bio-accumulative/toxic) or vPvB standards (much persistent/much bio-accumulative).

#### **Other harmful effects**

No data available.

#### **Additional indications**

Halogenated organic adsorbable compounds (AOX):  
No data available.

Further information about eco-toxicity:

Do not dispose product into waters without a prior treatment. According to last knowledge negative ecological effects are not expected. Ecological mentioned data are defined by analogy.

### **13 – Disposal considerations**

#### **Product:**

Product remainders and containers must be disposed according to norms/regulations (local or national) of different countries.

For disposal in EU you have to refer to waste code from European wastes land register (code CER).

After have removed remains carefully (liquid, solid and pasty), empty packages can be delivered to specific gathering places instituted by chemical industry for different types of packing, to be treated for recycling. Recycling will have to be realized according to national norm and regulations on environmental conservation.

#### **Suggestions:**

Do not dispose product together with domestic wastes. Do not throw into sewers.

#### **Not clean packing:**

n.a.

#### **Suggestions:**

Disposal according to administrative regulations. Metal packing adequately clean can be disposed as usual scrap.

### **14 – Transport Information**

#### **Transport Information:**

Not dangerous to transport. Light smell. Sensitive to the heat from +40 °C. Sensitive to the cold from +5 °C

#### **ROAD & RAILWAY (ADR/RID)**

**Exact name for shipment:** Not dangerous to transport. Light smell. Sensitive to the heat from +40 °C. Sensitive to the cold from +5 °C.

**Hazard class:** - **Number UN:** - **Packaging group:** -

**Classification:** -

**N° of hazard identification:** -

**Hazard to the environment:** No

#### **SEA TRANSPORT (IMO/IMDG)**

**Exact name for shipment:** Not dangerous to transport. Light smell. Sensitive to the heat from +40 °C. Sensitive to the cold from +5 °C.

**Hazard class:** - **Number UN:** - **Packaging group:** -

**Number EMS:** -

**Marine pollutant:** No

#### **AIR (ICAO-TI / IATA-DGR)**

**Exact name for shipment:** Not dangerous to transport. Light smell. Sensitive to the heat from +40 °C. Sensitive to the cold from +5 °C.

**Hazard class:** - **Number UN:** - **Packaging group:** -

**Cargo Packaging instructions:** -

**Passengers packaging instructions:** -

**Hazard to the environment:** No

#### **INLAND SAILING WAYS (ICAO/IATA)**

**Exact name for shipment:** Not dangerous to transport. Light smell. Sensitive to the heat from +40 °C. Sensitive to the cold from +5 °C.

**Hazard class:** - **Number UN:** - **Packaging group:** -

**Classification:** -

**N° of hazard identification:** -

**Hazard to the environment:** No

### **15 – Regulatory information**

#### **Classification according to EEC directives:**

Product is not subjected to labeling obligation according to 2006/121/EC or 1999/45/EC directives with following changes and national directives deriving from them.

**Labeling acronym of product danger:**

None

**Prudence advices (Phrases S):**

S 61 Do not release to the environment. Refer to instructions of safety data sheets.

**Classification of specific formulations:**

n.a.

**National regulations**

Data and information in this safety data sheet are according to Health Ministerial Decree of 28/1/92 and current norm on classification, packaging and labeling of dangerous substances and formulations. However, we recommend to the user to verify and respect specific national regional and local norms about dangerous and environmentally friendly activities (eg. Liquid, solid and gas emissions). See D.P.R. 303/56, General norms for workplace hygiene, D.L.626/94 Prevention and Safety of work related injury and D.L. 133/92 Water Discharges.

**Classification according to Vbf:**

n.a.

**Hazard class for waters:**

n.a.

## **16 – Other information**

**Other information**

Information in this safety data sheet are considered correct and communicated in good faith. However, they do not imply any obligation, guarantee, freedom to use industrial properties or license concession. Characteristics that are mentioned in this document do not constitute contractual specifications.

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**Note for reader**

Information in this safety data sheet have been considered valid by Pava Resine at the moment of preparation or they have been prepared basing on sources considered to be reliable, but user has to investigate and understand other sources of information, follow all laws and procedures about safe handling and use of the product and to define suitability of the product for the expected use. All Pava Resine products are subjected to sell terms and conditions of Pava Resine. PAVA RESINE DO NOT ISSUE ANY WARRANTIES, EXPLICIT OR IMPLICIT, CONCERNING THE PRODUCT OR ITS MERCHANTABILITY OR SUITABILITY FOR ANY PURPOSE OR CONCERNING ACCURACY OF ANY INFORMATION PROVIDED BY PAVA RESINE, except that product consists with specifications. None information in this document represents a sell offer of products. User has to ensure that his activities respect all national and local norms. Since use product conditions cannot be regulated by producer, user has to define conditions that are necessary to use this product safely.