

MATERIAL SAFETY DATASHEET

SWISSSPAN Particleboards / Chipboards

1. Identification of the substance/mixture and of the company/undertaking

- 1.1. Product identifier SWISSSPAN P2 (Particleboard acc. to EN 312 for indoor use under dry conditions)
SWISSSPAN P3 (Particleboard acc. to EN 312 for indoor use under humid conditions)
SWISSSPAN P2 SF-B (Particleboard acc. to EN 312 for indoor use under dry conditions)
SWISSSPAN P2 ECO (Particleboard acc. to EN 312 for indoor use under dry conditions, low Formaldehyde emission)
- 1.2. Relevant identified uses Wood-based panels for indoor use in furniture and interior fittings acc. to EN 13986
- 1.3. Supplier of the Safety Data Sheet SWISS KRONO AG www.swisskrono.ch
Willisauerstrasse 37 info@swisskrono.co
CH-6122 Menznau +41 41 494 94 94
Switzerland
- 1.4. Classification of the substance or mixture No hazardous material (67/548/EWG, 1999/45EG) in the state of delivery.
No hazardous material according to guidelines (EG) Nr. 1272/2008 (CLP)
- 1.5. Label none
- 1.6. Other hazards **Formaldehyde** is used in the production of SWISSSPAN particleboards. When first made, the unsealed surface of the boards may release some formaldehyde gas, but this quickly dissipates during initial storage.
Air monitoring results confirm that when manufactured wood products [i.e. SWISSSPAN] are cut or sanded, the only significant airborne hazard is exposure to **wood dust**. Provided that the wood dust is adequately controlled using local exhaust ventilation exposure to all other airborne hazards (including formaldehyde) is negligible.¹
A dust cloud of any flammable material will explode where: (1) the concentration of dust in air falls within the explosive limits, and (2) a source of ignition of the required energy for that dust cloud is present. Conversely, an explosion can be prevented if one, or preferably both, of these conditions are avoided.²

2. Composition/ information on ingredients

Component	CAS#	P2	P3/ECO	P2 SF-B
		[% w/w]	[% w/w]	[% w/w]
Wood		82-88	80-85	68-75
Urea-Formaldehyde Resin (UF)		6-12	-	8-12
Melamine-Urea-Formaldehyde Resin (MUF)		-	8-14	-
Flame retardant		-	-	12-15
Color		-	<0.05/-	<0.05
Formaldehyde (residual)	50-00-0	<0.05	<0.05	<0.05
Emulsion		<1	<1	<1
Moisture content		5-11	5-11	5-11

3. First aid measures

Exposure to wood dust

- 3.1. Inhalation of dust Bring to fresh air
- 3.2. Skin contact Wash with soap and water
- 3.3. Eye contact Flush with water for 15 minutes and seek medical assistance if irritation persists
- 3.4. Ingestion Not applicable
- 3.5. Special indication If any irritation persists, obtain qualified medical advice

Most important symptoms and effects, both acute and delayed:

¹ NSW fact sheet on wood dust: <http://www.workcover.nsw.gov.au/formspublications/publications/Documents/wood-dust-fact-sheet-3972.pdf>

² <http://usw2009.ca/wooddustsafety.htm>

- 3.6. Inhalation of dust Wood dust may cause respiratory irritation, nasal dryness, coughing, sneezing, wheezing as a result of inhalation
- 3.7. Skin contact Wood dust may cause skin irritation and allergic responses in sensitive individuals.
- 3.8. Eye contact Wood dust may cause eye irritation

4. Firefighting measures

- 4.1. Extinguishing media
- Suitable Water, Foam, Dry chemical
 - unsuitable CO₂
- 4.2. Special hazards Hazardous combustion products: smoke, fume, formaldehyde and oxides of carbon, nitrogen, sodium and potassium
- 4.3. Advice for fire-fighters Firefighters should use standard protective equipment and self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.
- 4.4. Additional information none

5. Accidental release measures

Not applicable

6. Handling and storage

Store in a cool, dry and vented area.

7. Exposure controls/personal protection

Wood dust Due to the explosive potential of wood dust when suspended in air, precautions should be taken during sanding, sawing or machining to prevent sparks or other ignition sources in ventilation equipment. Provide local exhaust and ventilation to minimize formaldehyde and wood dust exposure. Wear personal protective equipment (dust mask, gloves, safety glasses)

8. Physical and chemical properties

- 8.1. Odour Wood-based material, formaldehyde
- 8.2. Appearance solid
- 8.3. Density 570 - 800kg/m³
- 8.4. Moisture content 4-13%
- 8.5. Melting point NA
- 8.6. Boiling point NA

9. Stability and Reactivity

- 9.1. Reactivity Not reactive.
- 9.2. Chemical stability Stable. Warm and humid conditions may increase formaldehyde emissions.
- 9.3. Possibility of hazardous reactions None.
- 9.4. Conditions to avoid Accumulation of wood dust in air during processing
Ignition sources

10. Further information

- 10.1. Toxicological information none
- 10.2. Ecological information NA
- 10.3. Disposal Dispose like normal household waste (incineration) in accordance with national regulations.
- 10.4. Transport No special instructions.