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Material Safety Data Sheet

Finished Material: Pipers Engineered Oak Flooring

Material: 100% PEFC Certified White Oak Logs from Vienna 3mm, glued to a double layer substrate of poplar and finished with a top layer of paint and protection (except if its sold as Raw)..

INGREDIENTS:
1. UV Waterbased Curing Coating
2. UV Curing Coating
3. Formaldehyde Urea Glue & Hardener
4. Water Based Pastes

1. Identification of the product: UV Waterbased Curing Coating
Produce Name: UV-PU Waterbased adhesive
Code: 108010511

Hazardous ingredients:
Substance name CAS No. Content(%) PRTR
N-butanol 71-36-3 2-8 -
2-butyl glycol 111-76-2 2-6 -
2-hydroxy-2-methyl-1-phenylpropanoid-1-ketone 7473-98-5 0.5-2 -

Hazards possibilities:
R-phrases
52/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic Environment.

First aid measures:
General information: Seek medical advice immediately.
After inhalation : Ensure supply of fresh air. In the event of symptoms take medical treatment.
After skin contact: Wash off immediately with soap and water.
After eye contact: Separate eyelids, wash the eyes thoroughly with water and seek medical advice.
After ingestion: If accidentally swallowed, Take medical treatment. Do not induce vomiting.

Fire-fighting measures:
Suitable extinguishing media:
Water; Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.
Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases:
None known
Special protective equipment for fire-fighting :
In case of combustion use a suitable breathing apparatus.
Other information:
Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

Physical and chemical properties:
Appearance
State: Liquid
Color: white

Odor: Unique odor
Safety data
Flash point: >70°C
Test method: DIN 53213
Density
Value: 1.1±0.2 g/cm3
(25°C)
Test method: GB/T 6750
Viscosity
Value: 40-60 S(25°C)
Test Method: DIN 53211/DIN 6mm

Stability and reactivity:
Conditions to avoid :
Protect from extreme heat and cold.
Materials to avoid :
Reactions with strong oxidising agents. Reactions with strong acids and alkalines.
Hazardous decomposition products :
nitrous oxides (NOx); Carbon monoxide and carbon dioxide;
Other information :
Stable under recommended storage and handling conditions

Other information:
N-butanol
10 Flammable
22 Harmful if swallowed
37/38 Irritation to respiratory system and skin
41 Serious risk to eyes
67 Cause sleep and dizziness,vertigo by steam
2-butyl glycol
20/21/22 Harmful by inhalation,in contact with skin and if swallowed
36/38 Irritating to eyes and skin
2-hydroxy-2-methy-1-phenylpropanoid-1-ketone

Harmful if swallowed
50/53 Toxic to aquatic organisms,may cause long-term adverse effects in the aquatic environment

2 UV Curing Coating
Trade name:UV- Primer-Low gloss
Production No.:128005511

Ingredients Name CAS No. Content
(%)

PRTR
Information
Hexamethylene Diacrylate 13048-33-4 20-40 -
Dipropylene Glycol Diacrylate 57472-68-1 15-25
2-Hydroxy-2-Methyl-Phenyl-Propane-1-one 7473-98-5 3-6

Hazards possibilities
R Phrase
36/38 Irritate the skin and eye .
43 After contact skin,cause anaphylactic reaction.
52/53 It is hazardous to water-based creatures,could cause long-term adverse
effects water environment .

First aid measures
General information Seek medical advice immediately
After inhalation Ensure transfer into fresh air ,in the event of symptoms take medical treatment.

After skin contact Wash off immediately with soap and water.
After eye contact Separate eyelids, wash the eye thoroughly with water and seek medical advice

After ingestion Take medical treatment,do not induce vomiting

Physical and chemical properties
Appearance
Form Liquid
Colour Light Grey
Odour Characteristic
Safety data
Flash point >70°C
Method DIN 51758
Density
Value 1.1±0.2 g/cm3(25°C)
Method GB/T 6750
Viscosity
Value 40-50 S(25°C)
Method : DIN 53211/DIN 6mm

Stability and reactivity
Conditions to avoid
Protect from extreme heat and cold.
Materials to avoid
Reactions with strong oxidising agents,reactions with strong acids and alkalines.
Hazardous decomposition products
Nitrous oxides,Carbon monoxide and carbon dioxide
Other information
Stable under recommended storage and handling conditions

3. Formaldehyde Urea Glue & Hardener
Sample no. 197
Volume of the chamber 0,225m3
Chamber Value 0,016 mg HCHO/m3 of air

ADHESIVE FOR THE WOOD INDUSTRY
Name
Urea Formaldehyde Polymer
Formaldehyde ...%

EC No. CAS No. Content Symbol R-phrases

90 - 100 % -

200-001-8 50-00-0 <0.9% T R-23/24/25, 34, 43, 40
FIRST AID MEASURES
General SYMPTOMS AND EFFECTS

Accidents and over-exposure to powder/dust from this product may cause irritation to eyes and to the respiratory system.
Accidents and over-exposure to this product may cause irritation by liquid/fumes in the eyes, liquid/fumes on the skin and by inhalation of fumes.
Symptoms by exposure of liquid/fumes in the eyes are pain, tears and impaired vision.
Symptoms by exposure of powder/dust are coughing and difficulties with breathing.
Symptoms by inhalation of fumes are upper respiratory irritation.

Symptoms of exposure to skin and mucous membranes are irritation and discoloration.
GENERAL ADVICE CONCERNING FIRST AID

Inhalation
Ingestion

Skin
Eyes

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Keep affected person under observation. Get medical attention if necessary or contact emergency centre.
Fresh air.
If the affected person is awake, give water or other drink to flush the mouth and to dilute chemicals that have been swallowed. Contact doctor / hospital for continued treatment or transport to hospital.
Wash skin with soap and water. Remove contaminated clothing. If there is any sign of damage/irritation to the skin, contact doctor or hospital.
Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Contact doctor / hospital for continued treatment or transport to hospital.

FIRE FIGHTING MEASURES
Extinguishing Media
Specific hazards
Hazardous combustion Products
Protective measures in fire

Use extinguishing media to put out surrounding fire. Do NOT use CO2 or dry Chemicals.
Dust could form explosive mixture with air.
Common combustion products.
Fire personnel exposed to the gases of these products are recommended to use respiratory protection. Avoid skin contact / inhalation of dust and vapours. (Also see section 8).

ACCIDENTAL RELEASE MEASURES
Personal precaution in spill
Environment protection
Spill clean-up methods

Wear necessary protective equipment. See section 8.
Limit the leakage field. Block up contaminated area. Runoff or release to sewer, Water way or ground is forbidden. The product is partly soluble in water.
Collect in containers and seal securely. Remove containers and flush area with water. Inform Authorities if large amounts are involved. For disposal methods see section 13.

HANDLING AND STORAGE
Usage precautions
Usage descriptions
Storage precautions

Avoid spilling, skin and eye contact. Avoid inhalation of dust. Provide sufficient ventilation. Eye wash facilities should be available when handling this product.

Read and follow manufacturer's recommendations.
Keep dry. In closed containers.

EXPOSURE CONTROLS AND PERSONAL PROTECTION
Ingredient name
Formaldehyde ...%
Total inhalable dust
Respirable dust
Ingredient comments
Protective equipment

CAS no. References LT EXP 8Hrs ST Exp 15 Min
50-00-0 MEL. 2 ppm 2 ppm

OES. 10mg/m3
OES. 4 mg/m3

MEL = Maximum Exposure Limit. OES = Occupational Exposure Standard.

Process conditions
Ventilation
Respirators
Protective gloves
Eye protection
Other Protection

Eye wash facilities should be available when handling this product.
Provide adequate general and local exhaust ventilation.
Respiratory protection must be used if air concentration exceeds acceptable level. Recommended filter: Combination filter: Gas cartridge (organic substances). Gas cartridge (acid gases). Dust filter P2(for fine dust).
Use chemical resistant gloves that comply with acceptable standard. Suitable material: Polyvinyl chloride (PVC). Rubber (natural, latex). Neoprene. In the selection of protective equipment, the user must ensure that the equipment complies with the relevant standard. If there is any doubt the user should show this data sheet to the supplier of the equipment to ensure that the correct equipment is available to potential users.
Wear approved safety goggles or face shield.
Wear appropriate clothing to prevent any possibility of skin contact.

PHYSICAL DATA
Appearance
Colour
Odour
Physical data comments
Solubility description
pH-value, conc. solution
Flash point (°C)

Powder, dust.
Off-white.
Formaldehyde.
For technical data and specifications; see technical data sheet.
Soluble in water.
7,5-8,7 Concentration %M 2:1
> 100 Method Setaflash Closed cup

STABILITY AND REACTIVITY
Stability
Hazardous decomp. products

The product is stable at the conditions of handling and storage stated in the technical data sheet.
Unlikely under normal industrial use.

TOXICOLOGICAL INFORMATION
Sensitization
Health hazards, general
Inhalation
Ingestion
Skin
Eyes
Medical considerations

COMPONENT

Formaldehyde is classified as a recognized allergen by skin contact.
In the industry irritating properties represent the main hazard.
Dust may irritate respiratory system. Gas or vapours is harmful on prolonged exposure or in high concentrations.
May cause discomfort.
Prolonged or repeated exposure may cause severe irritation. May cause sensitization by skin contact.
Irritating to eyes.
FORMALDEHYDE: Formaldehyde is classified as a category 3 carcinogen. In animal experiments carcinogenic effects have been demonstrated only at very high dose levels. Such effects have not been demonstrated in man.
Formaldehyde ...%

Toxicological data
Toxic dose - LD50:
Carcinogenicity

800 mg/kg (oral rat)
IARC Int. Agency for Cancer Research. NTP Carcinogens (DHHS)

ECOLOGICAL INFORMATION:
Ecotoxicity
Mobility
Bioaccumulation
Degradability

Not regarded as dangerous for the environment under current legislation
Soluble in water.
No bioaccumulation expected.
Urea formaldehyde polymer: Slowly but not readily biodegradable.
Formaldehyde: Readily biodegradable (BOD5/COD: 0.68).

DISPOSAL CONSIDERATIONS
Disposal methods

Waste class
Contaminated packaging

Disposal should take place according to national and local regulations. Confirm disposal procedures with local authorities. Cured resin is regarded as not hazardous waste. Material safety data sheet for cured resin is available.
EWC-code: 08 04 09. EWC-code will depend on the use of this product.
Empty packaging as much as possible. Drained packaging should be recycled if possible.

TRANSPORT INFORMATION
ROAD TRANSPORT(ADR):
ADR class Not dangerous according to ADR/RID/IMDG/IATA.

REGULATORY INFORMATION
Symbol(s)

Contains
Risk phrases
Safety phrases

EU directives

Formaldehyde ...%
R-43 May cause sensitization by skin contact.
S-22 Do not breathe dust.
S-24 Avoid contact with skin.
S-37 Wear suitable gloves.
Dangerous Substance Directive 67\548. Dangerous Preparations Directive 1999/45/EEC. Safety data sheet directive 91/155. Directive 2001/58. Directive 91/689.Directive 94/904

4. Identification of the product: Water Based Paste
Produce Name: Red Water Based Paste
Code: H008001R

Fine Residue from cutting
Storage precautions

Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation. Provide good ventilation. Eye wash facilities should be available when handling this product.
Read and follow manufacturer's recommendations.
Keep dry in closed containers.

PERSONAL PROTECTION Ingredient name
Total inhalable dust
Respirable dust
Ingredient comments
Process conditions
Ventilation
Respirators
Protective gloves

CAS no. References LT EXP 8Hrs ST Exp 15 Min

OES. 10mg/m3
OES. 4mg/m3

OES = Occupational Exposure Standard.
Eye wash facilities should be available when handling this product.
Provide adequate general and local exhaust ventilation.

Respiratory protection must be used if air concentration exceeds acceptable level.
Wear respirator if there is dust formation. Dust filter P2 (for fine dust).
For prolonged or repeated skin contact use suitable protective gloves.
Suitable material: Rubber, neoprene or PVC.

3/4

Eye protection
Other Protection

Use approved safety goggles or face shield.
Wear appropriate clothing to prevent any possibility of skin contact.

9. PHYSICAL DATA Appearance
Colour
Odour
Physical data comments
Solubility
pH-value, diluted solution

Powder, dust.
Brown
No characteristic odour.
For technical data and specifications; See technical data sheet.
Very soluble in water.
~6 Concentration %M 30%

First Aid Measures
General

Inhalation

SYMPTOMS AND EFFECTS
This product is not classified with regard to health effects. In case of accident, prevent exposure and implement necessary actions as described blow. Observe the risk of effects and damage to health in case of accidents entailing exposure to larger quantities.
GENERAL ADVICE CONCERNING FIRST AID
Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Keep affected person under observation. Get medical attention if necessary or contact emergency centre. Refer to the Safety Data Sheet for this chemical. When unconscious, loosen tight clothing and position in secured recovery position. In case of suspended respiratory: Start resuscitation.
Fresh air.

2/4

Ingestion

Skin
Eyes

If the affected person is awake, give water or other drink to flush the mouth and to dilute chemicals that have been swallowed. Contact hospital or doctor if discomfort does not wear off.
Wash skin with soap and water. Remove contaminated clothing. If any signs of damage/irritation to the skin, contact doctor or hospital.
Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Contact doctor/hospital for continued treatment or transport to Hospital.

FIRE FIGHTING MEASURES
Extinguishing Media
Special fire hazards
Hazardous combustion products
Protective measures in fire

Use extinguishing media appropriate for surrounding fire.
Dust could form explosive mixture with air.
Common combustion products.
Fire personnel exposed of gases from the product is recommended to use respiratory

11. TOXICOLOGICAL INFORMATION
Health hazards, general
Inhalation
Ingestion
Skin
Eyes

Slightly irritating.
Dust may irritate respiratory system.
May cause discomfort.
Slightly irritating.

ECOLOGICAL INFORMATION
Ecotoxicity
Bioaccumulation potential
Degradation

Not regarded as dangerous for the environment under current legislation.
Contains soluble salts that may stimulate the growth of water organisms.
No bioaccumulation expected.
The product is partly biodegradable.

DISPOSAL CONSIDERATIONS
Disposal methods
Waste class
Contaminated packaging

Disposal should take place according to national and local regulations. Confirm disposal procedures with local authorities.
EWC-code: 08 04 09.
EWC-code will depend on the use of this product.
Empty packaging as much as possible. Drained packaging should be recycled if possible.

Composition / information on ingredients
Hazardous ingredients

Substance name CAS No. Content(%) PRTR
Propylene glycol ether 107-98-2 5-10 -
Hazards possibilities
R-phrases
52/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic Environment.
First aid measures
General information: Seek medical advice immediately.
After inhalation : Ensure supply of fresh air. In the event of symptoms take medical treatment.
After skin contact: Wash off immediately with soap and water.
After eye contact: Separate eyelids, wash the eyes thoroughly with water and seek medical

advice.
After ingestion: If accidentally swallowed, Take medical treatment. Do not induce vomiting.
Fire-fighting measures
Suitable extinguishing media:
Water; Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.
Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases:
None known
Special protective equipment for fire-fighting :

In case of combustion use a suitable breathing apparatus.
Other information:
Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.
Physical and chemical properties
Appearance
State: Liquid
Color: Red
Odor: Unique odor
Safety data
Flash point: >91°C
Test method: DIN 51758
Density
Value: 1.1±0.2 g/cm3
(25°C)
Test method: GB/T 6750
Viscosity
Value: 5-25 S(25°C)
Test Method: DIN 53211/DIN 6mm
Stability and reactivity
Conditions to avoid :
Protect from extreme heat and cold.
Materials to avoid :
Reactions with strong oxidising agents. Reactions with strong acids and alkalines.
Hazardous decomposition products :
None
Other information :
Stable under recommended storage and handling conditions
