



SYNTEKO 1206

SAFETY DATA SHEET

1. IDENTIFICATION

1.1. Product identifier

Product name Synteko 1206
Chemical family Urea-formaldehyde resin

1.2. Intended use of the product

Urea-formaldehyde resin designed for solid wood and veneer laminations, due to its glass-like finish it is used in the paper foiling industry.

1.3. Name, address, and telephone of the responsible party

Company: Permoseal (Pty) Ltd
Address: 1 Beverley Close, Montague Gardens, 7441, Cape Town, South Africa
Phone: +27-21-555-7400
Toll-free No. 0800-222-400
Website: www.alcolin.com

1.4. Emergency phone number

+27-21-555-7400

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

GHS Classification This product is hazardous

2.2. Label elements

GHS Labelling

- This product is classified and labelled according to the CLP regulation.
- Hazard pictogram:



GHS07



GHS08

2.3. Signal word Danger

2.4. Hazard determining components of labelling:

Urea-formaldehyde resin; Formaldehyde solution

2.5. Hazard statements:

H317 May cause an allergic skin irritation
H350 May cause cancer (inhalation)

2.6. Precautionary statements:

P102 Keep out of reach of children.
P201 Obtain special instructions before use.
P280 Wear protective gloves / eye protection.

P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P308+P313	If exposed or concerned: get medical advice/attention.
P302+P352	If on skin: Wash with plenty of soap and water
P333+P313	If skin irritation or rash occurs: Seek medical attention
P403+233:	Store in a well ventilated place. Keep container tightly closed
P501	Dispose of contents/containers in accordance with national regulations

2.7. Other Hazards

No additional information available.

2.8. Unknown acute toxicity

No data available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture. This product is hazardous.

Ingredient	CAS No.	Contents (%)	Classification of Substance
Urea-formaldehyde resin	9011-05-6	40 - 70	Skin sens.: Cat 1 Carc.: Cat 1B
Formaldehyde solution	50-00-0	0.5 – 1.0	Carc.: Cat 1B Muta.: Cat 2 Acute tox.: Cat 3 Skin corr.: Cat 1B Skin sens.: Cat 1

4. FIRST-AID MEASURES

4.1. Description of first aid measures

General	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention.
Skin contact	Wash skin with mild soap and plenty of water. Seek medical attention if irritation persists or rash occurs.
Eye contact	Rinse cautiously with water for 15 minutes. Remove any contact lenses if present and easy to do. Continue rinsing. Seek medical attention if any discomfort continues.
Ingestion	Rinse mouth with water. Do not induce vomiting. Get the affected person to drink a lot of water in small gulps. Obtain medical attention.

4.2. Most important symptoms and effects both acute and delayed

General	May cause irritation.
Inhalation	On heating: may cause irritation to the nasal mucous membrane. Prolonged inhalation may cause headaches, drowsiness and fatigue.
Skin contact	May cause an allergic skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	May be harmful if swallowed. Irritation of the gastric/intestinal mucosa.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media	Water spray, dry chemical powder, foam, carbon dioxide
Unsuitable ext. media	Not applicable

5.2. Special hazards arising from the substance or mixture

Fire hazard	Not flammable
Explosion hazard	Product is not explosive

5.3. Advice for firefighters

Firefighting instructions	Exercise caution when fighting any chemical fire.
Protection during firefighting	Firefighters should wear full protective gear. Do not enter fire area without proper protective equipment, including respiratory protection.
Hazardous combustion products	Under certain conditions of combustion, traces of toxic substances cannot be excluded.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Do not get in eyes or skin, or on clothing. Contaminated surfaces will become very slippery
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6.2. For non-emergency personnel

Protective equipment	Use appropriate personal protection equipment (PPE)
Emergency procedures	Evacuate unnecessary personnel.

6.3. For emergency personnel

Protective equipment	Use appropriate personal protection equipment (PPE)
Emergency procedures	Secure the area and evacuate unnecessary personnel.

6.4. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.5. Methods and materials for containment and cleaning up

For containment	Absorb and or contain spill with inert material.
Methods for cleaning up	If recovery is not feasible, absorb with inert material. Place in a container suitable for disposal. Dispose of in accordance with current local legislation.

6.6. Reference to other sections

Refer to Section 8, Exposure controls and personal protection

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling temperature	Normal ambient temperature
Hygiene measures	Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating or drinking.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Store in a dry, cool and well-ventilated place. Protect from cold (<5°C) and exposure to temperatures exceeding 20°C. Keep container closed when not in use to minimize contact with the atmosphere to prevent contamination with micro-organisms.
Incompatible materials	Strong oxidizing agents, strong acids, strong bases
Maximum storage period	2 months at 20°C, but may vary depending on storage conditions.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

Exposure limits:

Ingredient	TWA - 8 hrs	STEL - 15 min
Formaldehyde solution	2 ppm, 2.5 mg/m ³	2 ppm, 2.5 mg/m ³

8.2. Exposure controls

Engineering controls	Provide good ventilation when handling large quantities. No special measures are required if stored and handled as above.
Personal protective equipment	Use appropriate personal protection equipment (PPE).
Eye protection	Safety glasses
Skin and body protection	Use protective latex or nitrile gloves to prevent contact.
Respiratory protection	Not required under normal conditions of use in a well-ventilated space. Approved respiratory equipment must be worn when airborne concentrations are unknown or exceed the recommended exposure limit.
Other information	When using, do not eat or drink.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless to opaque white liquid
Odour	Mild formaldehyde odour
Density (g/cm ³ @ 20°C)	Approximately 1.2
pH	Approximately 8.4
Boiling point (°C)	Approximately 100
Flash point (°C)	>100
Flammability	Not flammable
Solubility water	Miscible

10. STABILITY AND REACTIVITY

Reactivity	None expected under normal conditions
Chemical stability	Product polymerises with time. Solidifies with heat, acid and strong alkaline conditions
Possibility of hazardous reactions	None expected under normal conditions
Conditions to avoid	Extremely high or low temperatures
Incompatible materials	Strong oxidizing agents, acids and bases
Hazardous decomposition products	Thermal decomposition may release carbon dioxide, carbon monoxide, smoke and toxic fumes.

11. TOXICOLOGICAL INFORMATION

This product has not undergone any toxicological testing. Acute and chronic health effects are not expected as long as good hygiene and safety precautions are followed.

11.1. Acute toxicity:

Ingredient	Route of Exposure	Species/Test System	Result/Effect
Formaldehyde solution	Oral	Rat	LD ₅₀ : 100 mg/kg
	Dermal	Rat	LD ₅₀ : 270 mg/kg
	Inhalation	Rat	LC ₅₀ : 497 mg/m ³

12. ECOLOGICAL INFORMATION

This product has not been tested for environmental effects. Based on its components, this product is unlikely to result in any detrimental ecological effects.

12.1. Persistence and degradability: All urea-formaldehyde resins degrade by: Slow hydrolysis to urea and formaldehyde; formaldehyde oxidizes rapidly to formic acid which in turn oxidizes to carbon dioxide and water; urea hydrolyses to ammonia and carbon dioxide; ammonia oxidizes to nitrates which can be absorbed by plants.

13. DISPOSABLE CONSIDERATIONS

Sewage disposal recommendations	Do not dispose waste into sewer.
Waste disposal recommendations	Whatever cannot be saved for recovery or recycling should be disposed of in accordance with current local legislation.

14. TRANSPORT INFORMATION

Road / rail transport	ADR / RID	Not regulated
Marine Transport	IMDG	Not regulated
Inland waterways	ADNR	Not regulated
Air transport	IATA	Not regulated

15. REGULATORY INFORMATION

15.1. Labelling	Classified as a hazardous product
15.2. National legislation	None

