

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Produkt information**

Trade name : S&P A-Sheet 120  
S&P A-Strap

Application : strengthening of existing structures

Manufacturer/distributor : S&P Clever Reinforcement Company AG  
Seewernstrasse 127  
CH-6423 Seewen/SZ / Switzerland

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical description: Poly-paraphenyleneterephthalamide  
CAS-Number: 26125-61-1

**3. HAZARDS IDENTIFICATION**

No health risks have so far become known in those cases where this fiber product has been handled and processed properly.

**4. FIRST AID MEASURES****Symptoms and effects**

Dust may be irritating to the respiratory tract and cause symptoms of bronchitis.

**First aid****General**

In all cases of doubt, or when symptoms persist, seek medical attention.

**Inhalation**

During the processing and application of the fibers, small amounts of dust (including dust particles of respirable size) may be given off. A health risk caused by the inhalation of dust particles does not exist if our safety instructions are observed. Fiber fly, dust and decomposition products of the fiber finishes must be avoided by ensuring adequate extraction and ventilation.

Factory safety regulations must be strictly observed. Persons who have been exposed to excessive quantities of fiber dust or fly should immediately go outside into the fresh air. They should seek medical attention if coughing or other symptoms develop.

**Skin**

Suitable protective clothing should be worn in order to avoid possible skin irritation (slight skin irritation has been observed in isolated cases). If skin irritation does occur, wash thoroughly with soap and water. Seek medical attention if the irritation persists.

**Eye**

Rinse thoroughly with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation develops.

**Ingestion**

Rinse mouth, give water to drink.

**Advice to physician**

No specific recommendations.

**5. FIRE-FIGHTING MEASURES****Extinguishing media**

All extinguishing products are allowed.

**Unsuitable extinguishing media**

Water, if the fire was caused by an electrical short circuit.

**Special exposure hazards**

Do not inhale explosion or combustion vapours.

**Hazardous decomposition/ combustion products**

Depending on temperature and air supply, conflagration gases may contain:  
Carbon dioxide, carbon monoxide, organic compounds of low-molecular weight and hydrogen cyanide in low concentration. Decomposition products are roughly comparable with those of wool.

**Protective equipment**

Wear self contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions**

Do not breathe dust. For personal protection see Section 8.

**Environmental precautions**

No special measures required.

**Methods for cleaning up**

Prior to cleaning up, study the sections "Fire-fighting measures" and "Handling and storage". Use suitable "personal protective equipment" when cleaning up.

**7. HANDLING AND STORAGE****Handling**

The usual precautions for handling chemicals should be observed.

**Fire and explosion prevention**

Avoid dust generation.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Engineering controls**

Use extraction and ventilation equipment to reduce the occurrence of fiber fly, fiber dust and decomposition products of the finish.

**Respiratory**

This is required in cases where a maximum concentration of 1 RFP/ml of air is exceeded.

**Hand**

Wear protective gloves.

**Eye**

Safety glasses. When manually handled generally not required.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: Sheet / strap, roll
Colour	: yellow
Odour	: odourless
Melting point / range	: Does not melt
Flash point	: Not determined
Flammability	: Not determined
Autoignition temperature	: Not determined
Oxidizing properties	: Not relevant

**10. STABILITY AND REACTIVITY****Stability**

Stable under recommended storage and handling conditions (see section 7).

**Conditions to avoid**

Temperatures of over 500 °C will cause decomposition of the products and molecular disintegration. Strong bases and acids will cause chemical decomposition (hydrolysis) of the molecules if allowed to react for a relatively long duration.

**Materials to avoid**

Aromatic polyamides react with strong oxidizing agents. If allowed to act on the fibers for a relatively long time, UV light will cause a darkening of their inherent yellow colour and will also adversely affect their strength.

**Hazardous decomposition products**

Carbon dioxide, carbon monoxide (CO).

**11. TOXICOLOGICAL INFORMATION**

The fiber product (polymer) is non-toxic. If the product is handled properly and applied correctly our experiences have not shown any harmful effects on human health.

**12. ECOLOGICAL INFORMATION**

The fiber product (polymer) is ecologically safe.

**13. DISPOSAL CONSIDERATIONS**

Product can be disposed in a waste disposal site according to official regulations.

**14. TRANSPORT INFORMATION**

According to national and international guidelines, which regulate the road-, rail-, air- and sea transport, this product is classified as not dangerous.

**Ident-No: S&P A-Sheets**

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#### 15. REGULATORY INFORMATION

No danger of water pollution (VwVwS (Germany) from the 17th of march 1999, annexe 1).

According to the ChemG there is no duty of identification.

#### 16. OTHER INFORMATION

For further information about material safety contact:

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The information supplied has been based upon the current level of information available, for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product. They are not to be interpreted as a warranty for specific product characteristics.