

## Safety recommendations

### 1. Commercial product name and name of company :

**Platilon ® U 01**

**Wolff Walsrode AG**

**Telephone: +49-5161 44-2158 / -3301**

### 2. Composition / information on ingredients

Film based on reaction products of diisocyanates with polyester polyols (PUR), with low proportions of additives, and polyethylene film (PE) as carrier, black pigmented as required.

### 3. Possible Hazards

Films are not hazardous articles under the German Ordinance on Hazardous Substances (Gefahrstoffverordnung), and under the Council of the European Communities Directives e.g. 91/155/EEC.

Similarly to other plastics these films are susceptible to electrostatic charging.

### 4. First aid measures

Skin contact: Injuries from molten material require medical treatment. Cool immediately with water and consult a doctor.

Ingestion: Not applicable.

Inhalation of vapours: Not applicable.

### 5. Fire-fighting measures

Extinguishing media: water (sprinkle), foam, dry powder, carbon dioxide.  
Fire-fighters must work from the windward side.

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### **Fire-fighting measures (contd.)**

In case of smouldering or fire, formation of carbon oxides, nitrogen oxides, hydrogen cyanide and hydrocarbons is possible (dependant on the conditions prevailing, in particular air supply).

In case of fire fighting wear self-contained breathing apparatus.

### **6. Accidental release measures**

No special measures required.

For disposal measures see section 13 .

### **7. Handling / Storage**

No special protective measures against fire and explosion required.

Take precautionary measures against static discharges.

When processing thermally, make sure there is adequate ventilation at the workplace. The room air must be free from solvent fumes and there must be no open solvent containers in the vicinity.

Store the films in a cool, dry place. Do not expose to direct sunlight.

### **8. Exposure controls and personal protection**

Although explosion index data is not applicable to films, in the event of fine dust formed during mechanical processing such as shredding / milling, observe the relevant regulations / limits: maximum exposure limit for breathable dust is 4 mg/m<sup>3</sup> (former total dust).

No personal protective clothing / equipment is required. In the case of organic fumes in the area of handling, wearing conductive footwear is recommended.

### **9. Physical and chemical properties**

Form:	films of variable thickness
Colour:	transparent (PE black as required)
Odour:	light characteristic
Melting range:	> 165°C
Density:	approx. 1,2g/cm <sup>3</sup> at 20°C (DIN 53479)
Solubility in water:	insoluble
Ignition temperature:	> 470°C (DIN 51794)

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**10. Stability and reactivity**

Thermal decomposition: > 230°C.

No decomposition when used as instructed.

Hazardous decomposition products: CO, CO<sub>2</sub>, NO<sub>x</sub>, HCN and hydrocarbons.

No hazardous reaction known.

**11. Toxicological information**

Films are non-toxic.

All additives are physically bonded in the matrix.

The additives present no hazard at ambient temperature.

Irritating vapours may form at higher processing temperatures.

**12. Ecological information**

Films are not readily biodegradable and not soluble in water.

No effects known to be harmful to the environment.

The German water hazard class (Wassergefährdungsklasse) for this product is 0 (generally non-water-hazardous).

**13. Disposal considerations**

Films may be discharged or incinerated together with household refuse if local official regulations are observed.

**14. Transport information**

Films are not hazardous cargo and are not governed by any specific regulations.

**15. Regulatory Information**

No labelling is required.

**16. Other information**

The data given here is based on current knowledge and experience. The purpose of this information is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

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