

INFORMATION FOR HANDLING AND PROCESSING

Be
brilliant.

This information for handling and processing covers the product groups designated

nyloflex® ACE Digital

nyloflex® ACE UP Digital

nyloflex® ACT Digital

nyloflex® eco ACT Digital

nyloflex® ART Digital

nyloflex® FAC Digital

nyloflex® eco FAC Digital

nyloflex® FAH Digital

nyloflex® FSC Digital

nyloflex® ITR Classic

nyloflex® ITR Thin

nyloflex® NEF Digital

nyloflex® FUL Digital

nyloflex® Gold A Digital

nyloflex® Seal F Digital

nyloflex® FHB S

nyloflex® FHB SD

nyloflex® FTF Digital

nyloflex® FTV Digital

nyloflex® FTP Digital

nyloflex® FTC Digital

nyloflex® FTL Digital

nyloflex® FTM Digital

nyloflex® XAH Digital

nyloflex® XSN Digital

nyloflex® XTM Digital

nyloflex® XTP Digital

1. Product information

Manufacturer	XSYS Germany GmbH 77731 Willstätt, Germany	Thermal decomposition	None when used properly. Decomposition starts at 200 °C with occurrence of organic decomposition products.
Supplied as	Products of a specified size with a photosensitive layer.	Solubility	Molecular-dispersion-soluble in all common washout solutions for flexo plates, tetrachloro-ethylene and hydrocarbon mixtures.
Composition	Photosensitive layer of styrene diene elastomers, polymerizable low-molecular weight acrylates, plasticizers, photoinitiators, stabilizers and dyestuffs.	Flammability	Not classified as flammable, but combustible. Dangerous decomposition products: carbon monoxide, carbon dioxide.
Density	Approx. 1 (without base)	pH value	Photopolymer layer: neutral
Evaporation rate	not applicable		
Boiling point	not applicable		

2. Regulations for handling and transport

- No hazardous material as defined by transport regulations
- Declaration:
Not subject to compulsory declaration under the German Hazardous Substances Ordinance (Gefahrstoffverordnung), since product.

3. Safety-relevant information

- The photopolymerizable layer contains acrylates and methacrylates. Acrylates and methacrylates may have sensitizing effects; acrylates may irritate the respiratory system.
Contact of the photopolymerizable layer with the eyes should be avoided.
- The exhaust air generated in lasering must be extracted to prevent it from escaping into machine interior and working surroundings. The operating instructions for the laser must always be observed.
- The used washout solutions contain the constituents of the photopolymer layer in dissolved form.
As far as handling the washout solution is concerned, please consult the relevant safety data sheets.

XSYS

Print solid. Stay flexible.

4. Workplace safety

Printing plates	Do not touch the unexposed photopolymer layer! Wear protective gloves! Do not eat, drink, smoke during work. Use only in well-ventilated areas.
Washout solution	Observe the precautionary measures usual when working with chemicals and solvents: <ul style="list-style-type: none">• Wear protective goggles!• Wear protective gloves!• Protect your skin with cream!• Ensure adequate ventilation of the workrooms!• Also consult the safety data sheet for the particular washout solution used!
In case of skin contact	Clean the wetted areas of the skin with soap and water. Apply protective skin cream.
Prophylaxis	Apply protective skin cream to skin.

Used washout solution contains the constituents of the photopolymer layer at maximally 4 % weight in dissolved form, and therefore may be subject to compulsory declaration under the German Hazardous Substances Ordinance (Gefahrstoffverordnung). The safety data sheet on the washout solution in question must be considered.

If the protective measures described above are observed, then on the basis of experience thus far and of all information available, no adverse effects on health are to be expected from working with the above-mentioned product groups.

5. First-aid measures

Clothing	Remove wetted clothing.
Skin	Wash thoroughly with soap and water.
Accidental swallowing	If you have swallowed any, rinse your mouth out immediately and drink large amounts of water, seek medical aid.
Eyes	Rinse thoroughly for 15 minutes under running water with eyelids held apart, then have eyes checked by an ophthalmologist.

6. Information on waste disposal

Entrust disposal of waste only to a company qualified for it.

The used and thoroughly exposed plates must be disposed of in accordance with the local regulations.

For disposal, the following waste codes are suggested, which apply in EU countries. In each case, however, the decision must be made in consultation with the waste disposal company.

nyloflex® on plastic base:

AVV: 200139 Type of waste: Plastics

nyloflex® on aluminium base:

AVV: 200140 Type of waste: Metals

When disposing of the used washout solutions, observe legal regulations.

Please contact us for additional information.

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