INFORMATION FOR HANDLING AND PROCESSING

This information for handling and processing covers the product groups designated

nyloflex® DMAX
nyloflex® DMAX C
nyloflex® DMAF
nyloflex® DMCP
nyloflex® DMVP
nyloflex® DRAVE

1. Product information

Manufacturer	XSYS Flexo US, LLC, 5700 Commerce Blvd, Morristown, TN 37814, United States
Supplied as	Products of a specified size with a photosensitive layer.
Composition	Photosensitive layer of styrene diene elastomers, polymerizable low-molecular weight acrylates, plasticizers, photo-initiators, stabilizers and dyestuffs.
Density	Approx. 1 g/cm^3 (without carrier)
Evaporation rate	not applicable
Boiling point	not applicable
Thermal decomposition	None when used properly. Decomposition starts at 200 °C with occurrence of organic decomposition products.
Solubility	Molecular-dispersion-soluble in all common washout solutions for flexo plates, tetrachloro-ethylene and hydrocarbon mixtures.
Flammability	Not classified as flammable, but combustible. Dangerous decomposition products: carbon monoxide, carbon dioxide.
pH value	Photopolymer layer: neutral

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), as it is an article.

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 wash-out 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.

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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: • 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 observed.

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

Raw- and fully exposed plates shall be discarded in compliance with all applicable local regulatory requirements.

For the disposal of raw plates—whether whole or parts—as well as processed plates, the following waste codes are recommended for use within EU member states. Final classification and disposal procedures must always be confirmed in coordination with the local waste management provider.

The cover sheet of the printing plate is composed of PET and is suitable for recycling.

Photopolymer plates on plastic base
AVV: 070213 Type of waste: Plastics

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