

ARL 013 - Safety measures when processing oxidatively drying oils and waxes

1 General

Oil-soaked cloths/filter mats are generally prone to spontaneous combustion and cause fires under certain conditions. However, a so-called spontaneous combustion does not occur suddenly, it is usually preceded by a noticeable self-heating. If these exothermic reactions now release more heat as can be dissipated by the combustible material, e.g. as a result of a heat accumulation, this leads to an increase in material temperature. Finally, if the ignition temperature of the flammable material is exceeded, a smouldering fire occurs first, which then changes into an open flame fire when it reaches the surface.

In order to avoid this, the following appropriate precautionary measures are essential in addition to observing our safety data sheet.

2 Processing by spraying

- Do not use polyester (UP), polyurethane (PUR) or nitrocellulose (NC) paints in a spray booth.
- Spray booths with water separation are preferable.
- Only use clean filter mats in dry spray booths.
- Daily after finishing work, soaked filter mats, cloths, brushes, sponges and polishing pads must be removed from the coating area and spread out to dry outdoors. After sufficient drying, the materials can be disposed of in an open residual waste container in accordance with legal requirements.
- Alternatively, moisten with water or store and dispose of underwater in a closed metal container.
- In general, the valid safety and workplace regulations must be observed.
- For contaminated work clothing the same precautions apply as for other soaked materials.
- Further information on the subject of safety during transport, storage and handling as well as disposal can be found in the relevant safety data sheet. The current version can be accessed on the Internet at www.adler-lacke.com.
- Please observe the relative technical data sheets of the products.

Note: Build a subframe in the size of the extraction area, clamp a suitable dry filter mat into the frame and place it in front of the actual filter mat (store this frame outside the spray booth when not in use).

3 Processing by wiping

- Daily after finishing work, soaked cloths, brushes, sponges and polishing pads must be removed from the coating area and spread out to dry outdoors. After sufficient drying, the materials can be disposed of in an open residual waste container in accordance with legal requirements.
- Alternatively, moisten with water or store and dispose of underwater in a closed metal container.
- In general, the valid safety and workplace regulations must be observed.
- For contaminated work clothing the same precautions apply as for other soaked materials.
- Further information on the subject of safety during transport, storage and handling as well as disposal can be found in the relevant safety data sheet. The current version can be accessed on the Internet at **www.adler-lacke.com**.
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