PFINDER
CHEMIE

PRODUCT INFORMATION

BIOLOGICAL DEGRADABILITY

of PFINDER penetrants

Version 1 (GB)

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General

Many of the PFINDER penetrants are characterised by their very good biological degradability in aqueous solution. This is proven by various certificates of independent test institutes. In the process of the penetrating testing, used washing water may be drained off into the sewer system upon approval by the local authorities.

Numerous references from renowned automobile manufacturers and suppliers in German and foreign casting and foundry industries show the capability of these penetrants.

Product examples

PFINDER APENOL® 1071/2 – penetrant, fluorescent, sensitivity class 0.5
PFINDER 900 – penetrant, fluorescent, sensitivity class 0.5
PFINDER 901 – penetrant, fluorescent, sensitivity class 1
PFINDER 902 – penetrant, fluorescent, sensitivity class 2
PFINDER 800 – colour contrast penetrant, red + fluorescent, sensitivity class 2
PFINDER 801 – colour contrast penetrant, red + fluorescent, sensitivity class 2

Advantages for the User

- Saving of investments:
  In case of newly planned testing lines all waste water treatments can be completely omitted.

- High savings in ongoing operation because of clearly lower running costs.
  - No costs for active carbon or flocculation agents.
  - Higher testing line availability, due to no downtimes caused by change of the filter medium.
  - Low energy costs due to no current consumption for ultrafiltration or evaporator.
  - No hazardous waste incurred, therefore no costs for disposal of hazardous waste.

- In total high savings potential for investment and operating costs.
  We will be glad to generate a detailed calculation for your process.

Advantages for the Environment

- Use of our biologically degradable penetrants clearly benefits the environment. Comparisons with the typical waste water treatments show a far better environmental performance if the wash water is drained into the sewer system because there are no hazardous wastes and energy is saved. The calculation includes the slightly increased water consumption as compared to wash water circulation. Due to intelligent use of water, consumption of fresh water is only slightly increased.

Practical Execution

- Draining into the sewer system must be approved by the competent local authority. We will be glad to provide detailed consultation concerning the necessary steps and we will provide you with all the necessary documents.
- Washing water containing penetrant from the penetrant removal process is drained into the sewer system through the next available drain. In most cases only slight changes to the connections are necessary since no additional pipes or pumps are required.

www.penetranttesting.com

PFINDER KG
Rudolf-Diesel-Strasse 14
71032 Böblingen/Germany
PO box 17 69
71007 Böblingen/Germany

Telefon:
+ 49 (0) 7031-2701-0
Telefax:
+ 49 (0) 7031-280500

E-Mail:
ndt@pfinder.de
Internet:
www.pfinder.de