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**SCHLISSMANN
SCHWÄBISCH HALL**



Tel. 07 91 - 9 71 91-0 • Fax 9 71 91-25
C. Schliessmann Kellerei-Chemie GmbH & Co.KG
Auwiesenstr. 5 • D-74523 Schwäbisch Hall

Brennereitechnologie

CYANUREX®

Last update 07/2018

-Processing additive to prevent the formation of ethylcarbamate by binding hydrocyanic acid in stone fruit mashes and raw brandies-

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Technical informations and instructions for use

General instructions:

CYANUREX® is a special copper salt with high catalytic activity. By adding **CYANUREX®** to the mash or to the raw distillate directly before distillation, the copper activity of the still, which is usually too low, is intensified.

CYANUREX® binds the hydrocyanic acid released during distillation in the form of sparingly soluble, non-volatile substances which do not pass into the distillate but remain in the distiller's wash.

By preventing the transition from hydrocyanic acid to distillate, the formation of ethyl carbamate (EC) is prevented even when stored under the influence of light.

Distillates made from mashes which are distilled with **CYANUREX®** are free of hydrocyanic acid and are therefore characterized by a fruit-typical smell and taste. The bitter almond flavour, which is frequently criticised in stone fruit distillates and is caused by increased hydrocyanic acid content, will be excluded.

Furthermore, undesirable flavouring substances (e. g. sulphur-containing compounds) are eliminated.

Dosage for distillingstone fruit:

CYANUREX® is added directly before distillation to the mash in the still. When distilling larger quantities, **CYANUREX®** should be dosed as required. Details on determining the required dosage can be found in our [detailed instructions for use "CYANUREX procedure..."](#).

- Distillation of mash in the one-time distillation process: approx. 20g/hl, with a high stone content approx. 30g/hl

The exact requirements must be determined by test distillation ("Probedestillation").

- In case of double distillation: Add **CYANUREX®** only to the rough distillate. The requirement must be determined previously by means of the **Schliessmann CYANID test** or **CyanoQuant test**.

Package size:

500 g can (No. 2060)

Storage:

Store tightly closed, dry and dark!

Chemical and physical properties:

| | |
|-------------------------|-----------------------|
| Appearance: | feines, graues Pulver |
| pH-value: | 2,7 |
| Cu(I)Cl: | 96-98 % |
| Cu(II)Cl ₂ : | 1-3 % |
| Water content: | <0,1 % |
| Heavy metals: | <0,01 ppm |
| Zinc: | 0,3 ppm |

General information:

Manuals, safety advice and disposal of distiller's wash.

All information in this publication corresponds to our current experience and knowledge.

Schliessmann Kellerei-Chemie neither warrants that the products can be used without prior diligent testing as described above, nor that patent rights of third parties are not infringed by their use.