



TECHNICAL DATA SHEET

PUROCIDE ICL

PUROCIDE ICL is a preservative for the treatment of leather intermediates against mold fungi.

Product Name	: PUROCIDE ICL
Appearance	: Clear to Brownish liquid
Composition	: -m-cresol and N- isothiazolinone
Density (20°C)	: Approx 1 kg/l
Solubility	: Partially Miscible with Water

APPLICATION :

Because of its special combination of active ingredients, **PUROCIDE ICL** has a broad spectrum of activity against mold that can damage leather. **PUROCIDE ICL** is for preserving wet blue during the manufacturing process and subsequent storage.

PUROCIDE ICL can be used directly and undiluted during the leather making process.

After adding **PUROCIDE ICL** into the production drum the container used to measure and/or transport the product should be fully rinsed either with water or process liquor and these washings also added to the drum. **PUROCIDE ICL** is highly effective meaning that relatively small quantities are used compared to other leather chemicals so it is very important to ensure that the full dose is added without wastage.



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PRESERVATION IN THE CHROME TANNAGE

Addition during the chrome tannage

PUROCID ICL should not be added together with the chrome tanning material. It can be metered into the tannig float after a running time of the chrome tanning materials of at least 30 minutes. The subsequent addition of the basifying agent should take place after a minimum 30 minutes running time of **PUROCID ICL**. In order to ensure good distribution within the float, extended rest times of the drum should be avoided subsequently to the addition of the product.

Generally speaking, **PUROCID ICL** has good compatibility with chrome tanning systems. However, in view of the long dwell time of the active ingredients in the float, it is advisable to carry out long-term trials with our Applied Technology Center to check in particular the compatibility with high-exhaustion and self-basifying chrome tanning systems.

Addition in the pickle

PUROCID ICL can be added in the pickle, in which case it is metered into the vessel a few minutes after the salt. Acids are then added after a running time of approx. 15 min.

For appropriate distribution of the product within the float, extended rest times of the vessel should be avoided.

If the pickle float is drained off, **PUROCID ICL** should not be added until the start of the chrome tannage.

As **PUROCID ICL** is not compatible with strong oxidizing or bleaching agents such as sodium chlorite (NaClO_2), the pickle must not contain any such products when **PUROCID ICL** is added. Any remaining free chlorine must first be neutralized.



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Guide values for the preservation of wet blue (calculated on pelt weight):

0.20 -0.35% **PUROCIDE ICL**

0.25 -0.40% **PUROCIDE ICL** in tropical climates.

GENERAL NOTES

In tanning floats containing sulfite or in the presence of strong reducing agents there is a risk that the active ingredient octylisothiazolinone might be decomposed.

No cases of incompatibility have been reported when fatliquoring agents are added to tanning floats containing **PUROCIDE ICL**. Nevertheless, it is advisable to check the compatibility in each case.

When drying the leather, it must be remembered that the active ingredient p-chloro-m-cresol is volatile in water vapor.

If the wet blue are washed after tannage, it may be advantageous to add **PUROCIDE ICL** to the last washing float as well. In this case, the addition of 0.30 %, for example, can be divided up into 0.25 % in the pickle or during the tannage and 0.05 % in the last washing float

The amount of **PUROCIDE ICL** required to give adequate protection against mold fungi depends on numerous factors, e.g. the relative fat content of the skins or hides, the thickness or density of the fiber structure of the skins or hides, the subsequent washing and neutralizing operations and the specific demands resulting from the envisaged duration of storage, the industrial hygiene standards in the plant concerned and the local storage conditions.



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Larger quantities are required if the skins or hides have a high fat content, if the hides are unusually thick or if, during the operations following the tannage, such as washing, neutralization, etc., some of the preservative can be washed out again.

Production processes in which the leather material is split after tannage and the preservative is to be added during the tannage constitute a special case.

Here it is essential to check the penetration of the active ingredients and, if necessary, work out an alternative preservation concept with our Applied Technology Center.

It is therefore only possible to give guide values for the amount of **PUROCIDE ICL** required. Preliminary trials must be carried out in situ for each tannery to determine the optimum point of addition and the amount of product and contact time required to ensure maximum protection against fungal attack under the specific local conditions.

PUROCIDE ICL must be handled with due care. Contact with the skin must be avoided. The precautions generally recommended for handling chemicals must be observed, e.g. wearing of protective clothing, safety goggles and protective gloves.

If the product comes into contact with the skin, the affected area should be washed immediately with plenty of water and soap; splashes in the eyes should be rinsed out immediately with plenty of water. If irritation persists, medical attention should be obtained. Contaminated clothing should be changed immediately.

The current safety data sheet should be observed. This contains further information on labelling, transport and storage as well as information on handling, product safety, toxicity and ecology.



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SHELF LIFE:

The product has a shelf life of 6 months if stored properly in sealed original containers. Avoid storage temperatures above 50 °C.