



ADI Group USA

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Technical Data Sheet

ADIOIL CDS

ADIOIL CDS is a water soluble cationic topping oil used also as a wet stuffing compound.

Description

Adioil CDS is a cationic blend of oils, greases, and waxes used mainly in the production of semi stuffed leathers with resulting “pull-up” characteristics. It is self-emulsifying in hot water.

Typical Analysis

Appearance	White-Brown paste
Charge	Cationic
Moisture Content	38-40%
pH (10% Solution)	3.5-4.5

Properties

Adioil CDS is a modern replacement for the traditional drum stuffing procedures. It may also be used as a secondary fatliquor or as a topping oil to produce a very rich surface feel.

Application

Wet stuffed leather – normally 8-12% Adioil CDS is used along with 2-3% of Adioil ASG. They are mixed together before addition of hot water to make an emulsion at 60°C. The retanned stock is washed at the same temperature and drained, then the Adioil emulsified mix is added, using a 60-75% float. Take up is completed in 30 minutes.

Semi-stuffed leather full grain and corrected – popular for the boot and casual shoe markets. The Adioil CDS use is as a second fatliquor, 5-12% is used after a penetrating oil. If used after anionic fatliquors full exhaustion is necessary before addition of the Adioil CDS. Other waxes and oils may be carried in to give a variation of the feel from waxy to oily.

Full grain leather – Adioil CDS can be used as a topping oil on pasted, vacuum dried, and toggled leather to give a rich surface feel. This oil gives good plate release on pasted leathers, giving a good seal so preventing excessive paste pick-up. It shortens drying time on vacuum dried leathers. As a topping oil 0.5-5% is used for 10 minutes at the completion of the exhausted first fatliquor.

Corrected grain leather – 1-4% Adioil CDS is used as a topping oil and buffing of both grain and flesh is improved. The plating develops the waxiness and the feel of the leather.

Directions for Dissolving

Adioil CDS used alone should be diluted in very hot water (60°C), at a ratio of approximately 5:1. If the Adioil CDS is to carry in greases and raw oils, these should be heated and mixed well with the product before the addition of hot water.