

<b>CHEMOTEX Děčín a. s.</b> Tovární 63 407 11 Děčín XXXII - Boletice n. L. Czech Republic		<b>Tel: +420-412-709 222</b> <b>Fax: +420-412-547 200</b> <b>E-mail: chemotex@chemotex.cz</b> <b>www.chemotex.cz</b>
<b>ALVOL L</b>		
<b>TECHNICAL DATA SHEET</b>		
<b>TL 072/2001</b>		
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### **Product characteristics:**

**ALVOL L** is an alcanolamide of lauric acid (INCI: LAURAMIDE DEA).

**ALVOL L** is used especially in formulations of preparations for personal hygiene, where its high dermal tolerance, high foaming ability and foam stability are utilized. In other industrial branches it is used as wetting agent in textile, leather and paper industry.

**ALVOL L** is a yellow-brown, creamy, viscous liquid transforming into paste-like consistency when temperature drops below 10 °C. It is limpid when dissolved in water and of non-ionic character.

**ALVOL L** must comply with these quality signs:

Quality sign	Value	Methodology of setting
Acidity digit (mg KOH/g)	25 to 35	PN-ZM 072/2001
Water content (%)	max. 0,5	PN-ZM 072/2001

### **Product manufacturing:**

#### **1. *Washing and cleaning products and products for personal hygiene***

A stabilizing effect of **ALVOL L** on the foam as well as improvement of dermatological properties of finalized product has been evidenced in formulations of washing, cleaning and cosmetic products.

#### **2. *Textile industry***

It is used as a wetting agent into whitening baths in oxidation and reduction procedures. When put into strongly alkaline baths it comes to decomposition. Dosage: 0,3 up to 5 g per litre.

It is also applicable when dying by all dyestuffs groups with the exception of reactive dyes. Combination with levelling preparations of cationic, non-ionic and even anionic character is also possible.

#### Dosage:

Winch            0,3 to 0,5 g per litre  
Jiggers          1 g per litre

Appliances for dying of cross reels: 0,3 up to 1 g per litre

Continuous dying: 2 up to 5 g per litre

Improves and quickens the baths permeation into material during non-ironing, non-shrinking, creaseproof and stiffening adjustments and when textile bonding.

Dosage: 0,5 up to 2 g per litre.

### **3. Leather industry**

#### Soaking of salted hides

Dosage: 0,2 up to 0,5 % and 0,1 up to 0,3% of soda

#### Soaking of dry hides

It secures more thorough and more uniform skin softening and shortens the overall soaking time

Dosage: 0,1 to 0,3 % and 0,3% of soda

#### Vegetable tanning

It improves permeation of vegetable tanning, eliminates sedimentation of sludge and leads to better utilization of tanning materials.

Dosage for back dyes: 0,05 to 0,1 %

#### Softening of suede leathers

Dosage: **ALVOL L** 0,2 % technical ammonia 1,0 %, temperature 40 °C, time 2 hours

### **4. Paper industry**

**ALVOL L** may be utilized when releasing paper pulp and processing waste paper as an excellent wetting agent.

Dosage: 0,5 to 1 g per litre

#### **Packaging, storage:**

**ALVOL L** is delivered in 50-litre PE cans or in other containers that have been discussed in advance. It is stored in closed containers at the places protected from direct climatic influences. The recommended storing temperature is within +5 to +30 °C. Product must not be exposed to direct sunshine not even close to sources of heat. When the product is stored in temperatures lower than 0 °C it does not have any negative effect on the application characteristics of the product.

#### **Transport:**

**ALVOL L** is transported in covered vehicles and is not subject to the ADR/RID regulations.

#### **Warranty:**

If the product is transported and stored according to the above mentioned conditions, the warranty is 6 months from the date of stock-out.

#### **Note:**

Data about the product characteristics and its manufacturing were acquired by laboratory measurements and application tests. This technical sheet can only give a legal advice without any obligation. The manufacturing of the product must be adjusted to the specific conditions.