

# MELFLOCK<sup>®</sup> and ALZOFIX<sup>®</sup>

For Pulp & Paper, Textile, Leather and Water Processing

# MELFLOCK®

## As process chemical for the paper industry

Like alum or polyaluminium chloride, dicyandiamide condensates are strongly cationic microfloculants and fixing agents.

Their advantage lies in their pH independence. This means that the cationic charge is available even at pH values above 7.

Our aluminium dicyandiamide condensate (ALZOFIX®) can combine the advantages of the aluminium ion and dicyandiamide in a wide range of application areas.

Furthermore, the load with chloride is significantly reduced.

## Dicyandiamide condensates serve as fixing agents and flocculation aids:

- » for contaminant treatment
- » for improvement and support in gluing with dispersion glues and AKD
- » for reduction of COD
- » for sieve conditioning
- » as a creping agent
- » as a promoter for AKD glues

### About us

- » AlzChem has a wealth of experience in the field of dicyandiamide (DCD) and derivatives. DCD is extremely reactive, yet non-hazardous.
- » DCD has many direct applications and is a raw material in advanced products like our ALZOFIX® and MELFLOCK®.
- » Our day-to-day business is to manufacture and provide a wide range of dicyandiamide condensates quickly and reliably.
- » Additionally we offer toll manufacturing and can quickly give you a price indication for your new dicyandiamide condensation product.
- » AlzChem lives a quality system which strives for the highest standards.





# MELFLOCK®

## Areas of application



### FOR THE TEXTILE INDUSTRY

For more than 30 years dicyandiamide condensates have been indispensable fixing auxiliaries for colorants in the textile industry. Another important area of use in the industry is the treatment of dyeing effluent.

Formaldehyde-free condensates are available.



### FOR WASTE WATER TREATMENT

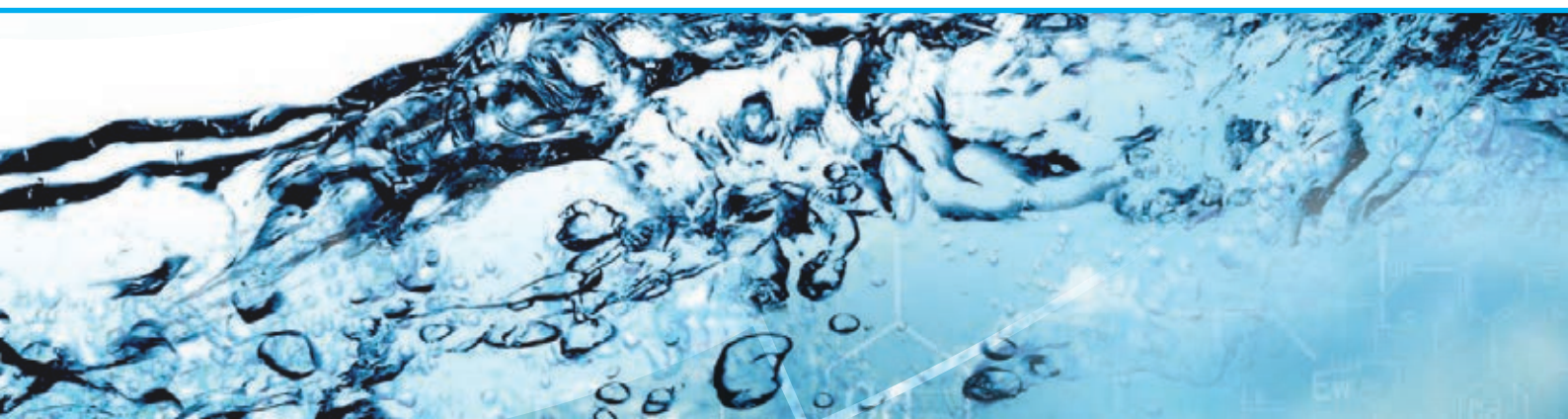
As microfloculants, dicyandiamide condensates are effective supplements to conventional polymeric flocculation aids. Dicyandiamide condensates can flocculate hydrophobic fines and support flocculation aids based on, e.g., polyacrylamide, polyamines or PAC.

The preferred applications are the treatment of effluents in the paper and textile industries and in the area of industrial effluents.



### AS AUXILIARY IN THE LEATHER INDUSTRY

Various dicyandiamide-based condensates are auxiliaries, known as finishing products in the tanning and dyeing processes.



PRODUCT	APPLICATION				
	PAPER AUXILIARIES	TEXTILES	WASTE WATER	LEATHER	
MELFLOCK® C3	✓	✓	✓	-	
MELFLOCK® 113S	✓	✓	-	-	
MELFLOCK® C1	✓	-	-	-	
MELFLOCK® SRT	✓	-	-	-	
MELFLOCK® C2	-	✓	-	-	
MELFLOCK® FFC 60	✓	✓	-	-	
ALZOFIX® P9	✓	-	✓	-	
MELFLOCK® AT3	-	-	-	✓	



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