

MELFLOCK®

ALZOFIX®

Melflam

Dicyandiamide condensates

FOR PAPER INDUSTRY, WATER TREATMENT,
TEXTILE AND FLAME RETARDANCY



alzchem
group

Applications as fixing agent and floculant



Your Benefits ...

... of the DCD-Condensates MELFLOCK®, ALZOFIX® and Melflam:

- Highest environmental protection through flocculation of impurities, waste water-treatment, closing of water cycles
- Strong contribution to sustainability
- Broad portfolio of various dicyandiamide condensates
- Certified for food packaging (e.g. ISEGA certificate for Germany)
- Eco-friendly products such as formaldehyde-free (MELFLOCK® FFC60), chloride-free (MELFLOCK® 113S) and melamine-free quality available on request (Melflam)
- Broad variety of packaging: bulk, ECO bulk IBC, drum
- Further dicyandiamide condensates products/solutions possible on request



Dicyandiamide condensates act as fixing agents and flocculation aids:

- for contaminant treatment
- for improvement in gluing with dispersion glues and in paper sizing with alkyl ketene dimers (AKD)
- for reduction of chemical oxygen demand (COD)
- for sieve conditioning
- as a creping agent



Dicyandiamide condensates can flocculate hydrophobic fines and support flocculation additives based on, e.g., polyacrylamide, polyamines or PAC.

The preferred areas of application are waste water from the paper and textile industries and in the field of technical waste water.



An important area of application in the textile industry is the treatment of dyeing waste water.

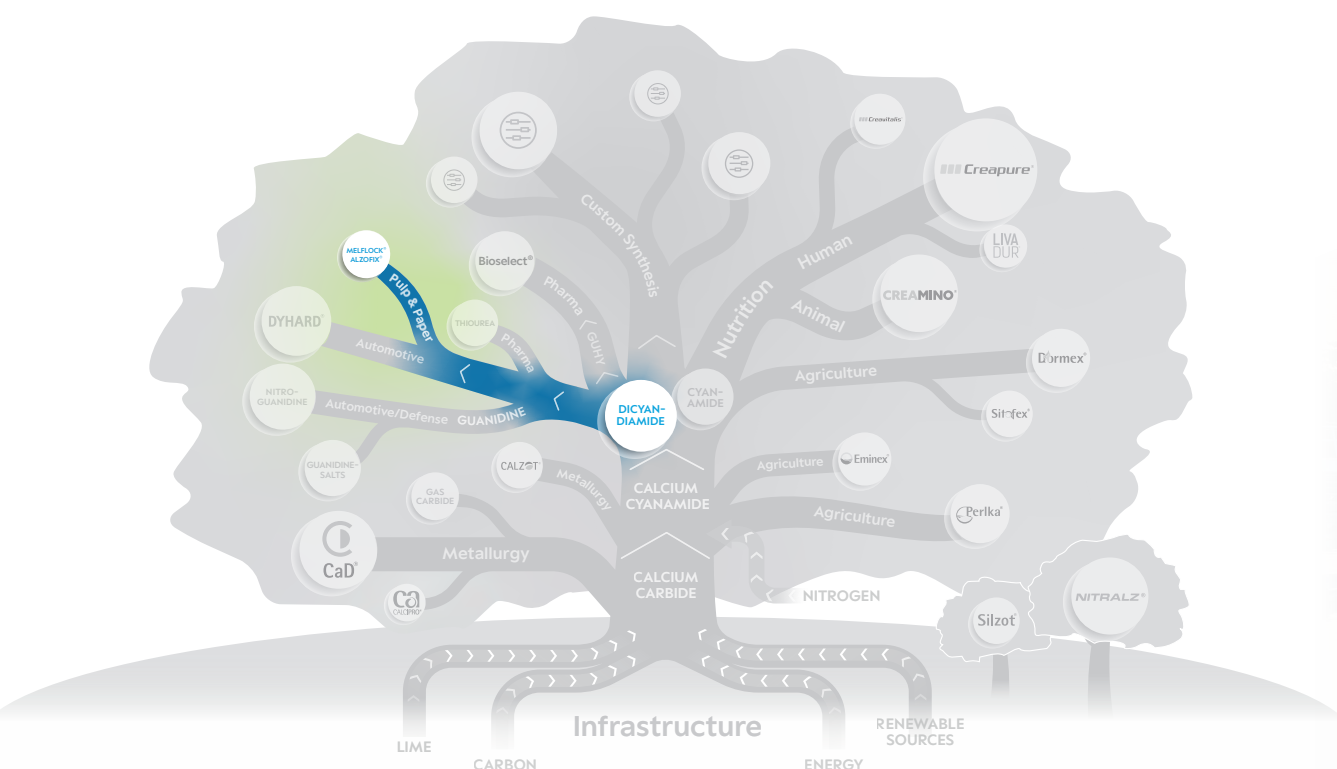
In addition to formaldehyde-containing products, formaldehyde-free condensates are also available.



In combination with phosphate, aqueous dicyandiamide condensates are among the most effective halogen-free flame retardants due to their high nitrogen content. Easily impregnates cellulosic materials (paper, cardboard, textile, wood-based materials) to provide flame retardancy combined with good humidity resistance.

It can also be used together with organic binders in non-cellulosic materials like fiberglass fabrics.

Backward integrated production with a wide product portfolio



Products	Paper industry	Waste water treatment	Textile industry	Flame retardancy
MELFLOCK® C1	✓	✓	✓	-
MELFLOCK® C2	✓	✓	✓	-
MELFLOCK® C3	✓	✓	✓	-
MELFLOCK® FFC60	-	-	✓	-
MELFLOCK® 113 S	✓	-	✓	-
ALZOFIX® P9	✓	✓	-	-
Melflam 136/12 FR2	-	-	-	✓



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