

SURFACTANTS & POLYOLS /

Tailor-made fertilizer additives and flotation agents



NORAM®
MELIORAN®



FLUIDIRAM®
LILAMIN®

CECA
ARKEMA GROUP

CECA, partner of your innovation

CECA, a leading specialty chemicals manufacturer, provides a wide range of solutions to filter, enhance, formulate and purify your products on markets as varied as oil and gas industry, road construction, fertilizer and mining industries, electronics, building industry, coatings and health care.

Its inventive chemistry assists you in your developments and boosts your performance.

CECA is committed to developing long-term partnerships with its customers by offering tailor-made solutions for their core needs.



CECA is a full subsidiary of the Arkema group, a major world player in specialty chemicals

600 employees are available to assist you on 9 sites including 7 production units.

CECA provides high performance additives to filter, enhance, formulate and purify your products

From surfactants, polyols and oilfield production additives to molecular sieves.

CECA is always in tune with markets and your specific needs

Technical assistance dedicated to each field of expertise and two R&D centres.

CECA is a key partner in its areas of expertise

CECA provides experts and services for your company's growth and development.

CECA's daily priorities are safety and protection of the environment

In terms of social responsibility, CECA's ambition is to operate its activity under the safest and most environmentally friendly conditions always bearing in mind the expectations of civil society.

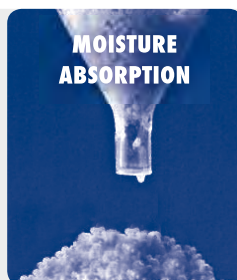
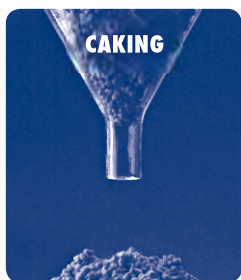
Customized solutions for fertilizer and mining industries



**60 years of know-how
in surfactants**

Coating agents for fertilizer industry

- Dedicated and optimized solutions to preserve the performance of your fertilizers
- Coating solutions for nitrogen, phosphate, potash and complex fertilizers
- Ready-to-use liquid solutions / Solid formulations in the form of prills



Two recognized brands:

LILAMIN[®]
BY ARKEMA

FLUIDIRAM[®]
BY ARKEMA

**The right protection against caking,
dust and moisture**



CECA is also your partner for mining industry

Flotation agents for the purification of non-sulfide minerals:
calcium carbonates, phosphates, potash, feldspath, etc.

NORAM[®]
BY ARKEMA

MELIORAN[®]
BY ARKEMA

A full range of technologies to create innovative solutions

CECA's chemical expertise and industrial know-how to design customized additives to suit your needs.



CECA's chemical sites in Europe

FATTY AMINES

FEUCHY, Northern France

- Fatty amines: quaternization, salification, alkoxylation, blending
- Fatty amidopolyamines and imidazolines
- Resins

KEDZIERZYN-KOZLE, Poland

- Blending / Prilling of fatty amines

ALKOXYLATION

ANTWERP, Belgium

- World class industrial site
- Ethylene, propylene and butylene oxides
- Flexible batch production

CHATEAUROUX, Central France

- Alkoxylation and phosphation reaction



Certifications:

ISO 9 001 - ISO 14 001 - OHSAS 18 001
ISO 22 000 - ISO 50 001 - RSPO

INNOVATION

CECA, partner of leaders

■ CECA owns dedicated application laboratories to design, test and improve your solutions.

■ CECA's R&D experts are located within Arkema research centre, with:

- Strong analytical department and local synthesis facilities
- Access to cutting-edge scientific tools:
Scanning Electron Microscopy (SEM) / X-Ray analysis / Rheology testing techniques.



High quality service

SUPPLY CHAIN EXCELLENCE

- **Reliable supply:**
multi-production plants to ensure business continuity
- **Flexible logistics:**
 - Short delivery time
 - Partial loads possible
 - Delivery of bulk product at high temperature
- **Dedicated customer service and sales team**

TECHNICAL SUPPORT

- **Dedicated application managers** to define specifications and facilitate technical assistance
- **Dedicated R&D team** for laboratory studies and application tests
- **Industrial trials** at customer sites

SUSTAINABILITY

- **REACH compliant**
- **Bio sourced products**
- **Operational excellence:**
industrial safety and environmental concerns



CECA, an international footprint



Our technical and sales teams are at your disposal to guide and advise you about the choice and implementation of our product ranges within your process.

> Contact us on cecachemicals.com

The information contained in this document is based on tests in our Research Centres, complemented by selected information: it may not however be taken to constitute either a guarantee or a formal commitment on our part. Only the specifications define the limits of our commitment. The handling and use of the products and their applications remain subject to the regulations resulting from the legislation in force in each country and cannot entail any liability on the part of our Company. Please consult Arkema's disclaimer regarding the use of Arkema's products on <http://www.arkema.com/en/products/product-safety/disclaimer/index.html>



cecachemicals.com

CECA
ARKEMA GROUP

CECA Headquarters
89 boulevard National
F-92257 La Garenne-Colombes Cedex - France
Tel: +33 (0) 1 49 00 38 00