

# BENEFITS OF THE "VERBUND" SYSTEM APPROACH

- Full control of product quality and specifications
- Lower costs
- Higher financial predictability
- Certainty of supply
- Economies of scale
- Low carbon footprint



POPULATION  
GROWTH



LONGER LIFE  
EXPECTANCY

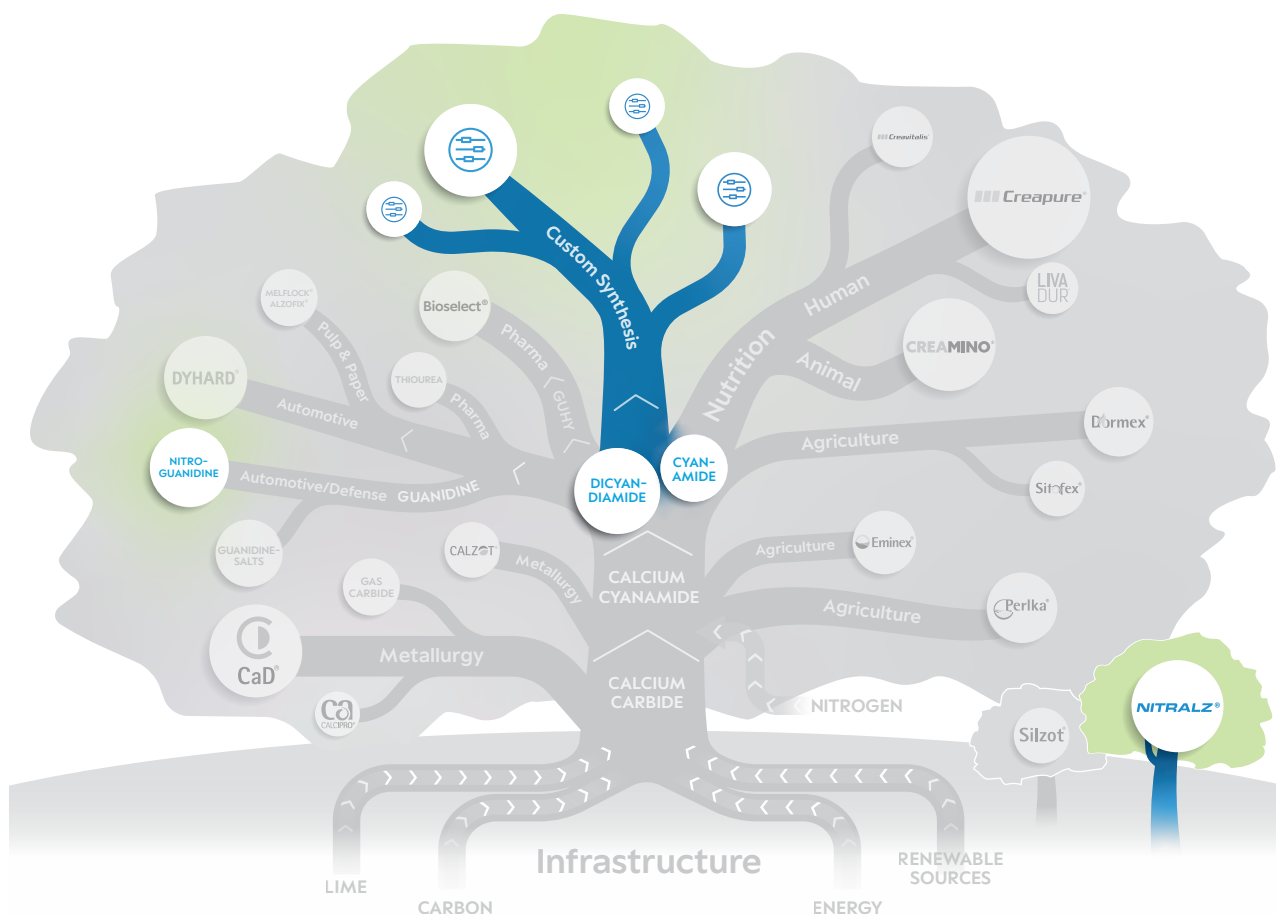


CLIMATE  
CHANGE



SUSTAINABILITY

We combine our integrated Production Verbund with innovative products to provide customer-focused applications in the agrochemicals market. This vertical integration in production is a key strength of the Alzchem Group.



If you cannot find the required raw material or intermediate in our brochure, please feel free to contact us and we look forward to supporting your request.



**Alzchem Trostberg GmbH**  
Dr.-Albert-Frank-Straße 32  
83308 Trostberg, Germany  
Jörg Brinkmann  
T +49 8621 86-2935  
specialtychemicals@alzchem.com

**Alzchem LLC**  
1000 Parkwood Circle SE,  
Suite 320  
Atlanta, GA 30339,  
USA  
T +1 770 910 7719

**Alzchem Shanghai Co., Ltd.**  
Unit 501-5, Building C3,  
No. 700 Yishan Road,  
Xuhui district,  
Shanghai 200233, CHINA  
T +86 21 5424 9788 0



alzchem.com

# Intermediates for Agri Solutions

TRADITION MEETS INNOVATION



alzchem  
group



CUSTOM  
SYNTHESIS



CYANAMIDE



DICYAN

## Custom Synthesis

**BUILDING BLOCKS & INTERMEDIATES - RELIABLE SUPPLY „MADE IN GERMANY“ FOR OUR AGROCHEMICAL CUSTOMERS**

Product	CAS-No.	Application/Active Ingredient
O-Methylisourea sulphate (OMiSu)	52328-05-9	Guazatine
N-Cyanoethanimidic methyl ester	5652-84-6	Acetamiprid
Phenylguanidine carbonate	6291-89-0	Pyrimethanil
2-Amino-4-methoxy-6-methyl-1,3,5-triazine	1668-54-8	Chlorsulfuron, Triasulfuron, Metsulfuron, Prosulfuron, Iodosulfuron
2-Methoxy-4-methylamino-6-methyl-1,3,5-triazine	5248-39-5	Tribenuron
2-Nitroimino-1,3-imidazoline	5465-96-3	Imidacloprid
Aminoguanidine hydrochloride	1937-19-5	Intermediate for agrochemicals
N,N,O-Trimethylisourea	61713-36-8	Intermediate for agrochemicals
2-Chloro-4,6-dimethoxy-1,3,5-triazin	3140-73-6	Coupling agent for carboxylates

## Cyanamide

**FROM THE LEADER IN CYANAMIDE CHEMISTRY**

Product	CAS-No.	Application/Active Ingredient
Cyanamide F1000 Cyanamide L500	420-04-2	Amitrole, Pyrimethanil, Sulfoxafior, Fenbendazole, Albendazole

## Dicyandiamide

**70 YEARS OF SUSTAINABLE COMPETENCE AND RESPONSIBILITY**

Product	CAS-No.	Application/Active Ingredient
DCD	461-58-5	Nitrification inhibitor in long-lasting nitrogen fertilizer

## NIGU®

**BUILDING BLOCK FOR MODERN-DAY SUSTAINABLE PLANT PROTECTION AGENTS**

Product	CAS-No.	Application/Active Ingredient
Nitroguanidine 99%	556-88-7	Plant protection agents





DIAMIDE



NITROGUANIDINE  
(NIGU®)



NITRILES  
(NITRALZ®)

## NITRALZ®

VALUABLE INTERMEDIATES FOR THE PRODUCTION OF AGRICULTURAL PRODUCTS,  
LIKE FUNGICIDES, INSECTICIDES, HERBICIDES AND BIOCIDES



Product	CAS-No.	Application/Active Ingredient
Benzonitrile	100-47-0	Fenclorim
n-Butyronitrile	109-74-0	Clothianidine
4-tert. Butylbenzylamine	39895-55-1	Tebuufenpyrad
4-Chlorobenzonitrile	623-03-0	Tolfenpyrad
2-Chlorobenzonitrile	873-32-5	Clofentezine, Cumyluron and Benzisothiazolinone (BIT)
2,6-Dichlorobenzonitrile	1194-65-6	Diclobenil, Dimilin, Pyriethion
3,4-Dichlorobenzonitrile	6574-99-8	Cyhalofop
4-Tolunitrile	104-85-8	Metaflumizone

# The path to sustainable agri solutions – Your Benefits



### RELIABILITY & HIGH QUALITY

“Made in Germany” – We are the only western manufacturer for most of the product groups and have an integrated European based supply chain with a strong emphasis on backward and forward integration.



### OUR CUSTOMER ORIENTATION

We offer a high, flexible and agile standard to service our partners, including technical support and our focus is on long-term customer relationships.



### INNOVATION

We have new ideas regarding advanced intermediates and support your product development.



### SUSTAINABILITY, HEALTH & SAFETY

Our manufacturing processes are eco-friendly and we put our attention on a sustainable production. We have a safety initiative and we perform accident analysis.



### OUR KNOW-HOW

Alzchem is successfully positioning itself on the specialty chemicals markets with proven and new products related to NCN chemistry based on years of experience and core-competence.