



BASF's offers to the agrochemical industry

- Diethanolamine (DEOA) and mono-Isopropylamine (MIPA) for glyphosate & glyphosate formulation
- Ethylenediamine (EDA) for ethylenbisdithiocarbamate fungicides (EBDC's) such as Mancozeb
- Imidazoles & formamide for various fungicides
- Specialty amines, acid chlorides & chloroformates for various fungicides, herbicides, insecticides
- Gamma-butyrolactone (GBL), N-Methyl Pyrrolidone (NMP) and other solvents and formulating agents for agrochemical applications



One step ahead in technology

Utilizing the broad array of core technologies at BASF, new products are being added upon specific customer request, complementing the portfolio of commercially available intermediates. Within the Intermediates Division, a globally active New Business Development team develops new products and offerings in close collaboration with customers from the agrochemical industry.



Intermediates

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Your reliable raw material supplier for the agrochemical industry

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 **BASF**
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BASF – The Chemical Company

BASF is the world's leading chemical company: The Chemical Company. Its portfolio ranges from chemicals, plastics and performance products to agricultural products, fine chemicals and oil and gas. As a reliable partner BASF creates chemistry to help its customers in virtually all industries to be more successful. With its high-value products and intelligent solutions, BASF plays an important role in finding answers to global challenges such as climate protection, energy efficiency, nutrition and mobility.

Top intermediates supplier

The BASF Group's Intermediates division develops, produces and markets a comprehensive portfolio of more than 600 intermediates around the world. The most important of the division's product groups include amines, diols, polyalcohols, acids and specialties. Among other applications, intermediates are used as starting materials for coatings, plastics, pharmaceuticals, textile fibers, detergents and crop protectants. Innovative intermediates from BASF help to improve the properties of final products and the efficiency of production processes. The ISO 9001:2000-certified Intermediates division operates plants at production sites in Europe, Asia, and the Americas.

Strong global presence

A strong base of integrated production sites in Europe, Asia and the United States enables BASF to satisfy the growing demand of agrochemical producers all over the world. Products which are not produced locally can be supplied from world-scale plants elsewhere, using the logistics and product stewardship strengths of BASF.

The wide scope of BASF intermediates used by agrochemical customers today stretches from various amines out of European or American production, via imidazoles manufactured in Europe to acid chlorides and chloroformates from European and Asian plants. BASF has successively invested into capacities in Nanjing (China) over the last years, what further strengthened its role as a supplier to the agrochemical industry.

BASF's portfolio for the agrochemical industry



Amines

Product	CAS Registry No.	Application
N,N'-Dimethyl propylene urea	7226-23-5	Clodinafop
1,2-Propylenediamine	78-90-0	Propineb
3-(Dimethylamino) propylamine	109-55-7	Propamocarb
2,6-Xylidine	87-62-7	Metalaxyl, Benalaxyl, Metazachlor, Dimethachlor
Dipropylamine	142-84-7	Oryzalin, EPTC, Prosulfocarb, Trifluralin
Diethanolamine	111-42-2	Glyphosate
Ethylenediamine	107-15-3	Mancozeb, Imidacloprid
Morpholine	110-91-8	Ethofumesate
tert.-Butylamine	75-64-9	Terbutryn, Terbutylazine, Diafenthiuron
Diethylamine	109-89-7	Amitrole, Napropamide, Thiobencarb
Triethylamine	121-44-8	Cypermethrin

Product	CAS Registry No.	Application
N,N-Dimethylacetamide	127-19-5	Carbendazim
Monoethylamine	75-04-7	Atrazine
Monoisopropylamine	75-31-0	Atrazine, Glyphosate
Monomethylamine	74-89-5	Carbofuran, Dimethoate, Fenobucarb, Isoprocarb, Methomyl
Dimethylamine	124-40-3	Cartap, Thiosultap, Diuron, Flurmeturon, Isoproturon, Tribenuron, Oxamyl, Chlorotoluron, Glyphosate
Dimethylformamide	68-12-2	Chlorpyrifos, Imidacloprid, Lambda-cyhalothrin, Triasulfuron
Cyclopentylamine	1003-03-8	Pencycuron
N-Acetylmorpholine	1696-20-4	Dimethomorph

Acids

Product	CAS Registry No.	Application
Diethylketone	96-22-0	Pendimethalin, Dimethenamid
Formic acid	64-18-6	Tricyclazole
Propionic acid	79-09-4	Propanil

Diols

Product	CAS Registry No.	Application
N-Methyl-2-pyrrolidone	872-50-4	Imidacloprid
Tetrahydrofuran	109-99-9	Allethrin
gamma-Butyrolactone dist.	96-48-0	Used as a surfactant

Carbonyl Chloride Derivatives

Product	CAS Registry No.	Application
Ethyl chloroformate	541-41-3	Desmedipham
Methyl chloroformate	79-22-1	Phenmedipham, Carbendazim, Thiophanate
Pivaloyl chloride	3282-30-2	Metribuzin
Valeroyl chloride	638-29-9	Hexaconazole

Specialties

Product	CAS Registry No.	Application
Propargyl alcohol	107-19-7	Clodinafop, Oxadiargyl, Flumioxazin, Propargite
Imidazole	288-32-4	Imazalil, Prochloraz
N-Octyl-2-pyrrolidone	2687-94-7	Diuron, Linuron, Thidiazuron, Tebuconazole, Epoxiconazole, Carbaryl, Cypermethrin
Propylene carbonate	108-32-7	Calma
1,2-Pentanediol	5343-92-0	Propiconazole

