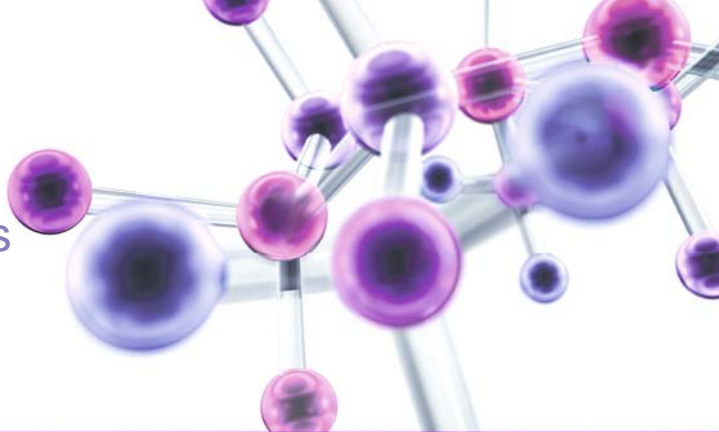


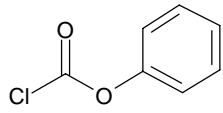
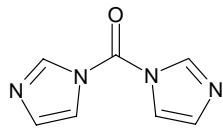
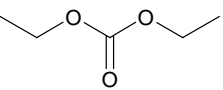
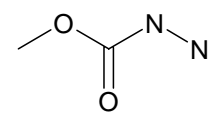
Structure	Product ID	Main Characteristics	Main Application Segments
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Phosgene derivatives

	<p>Methyl chloroformate (MCF), Carbonochloridic acid, methyl ester</p> <p>CAS Reg. No.: 79-22-1</p>	<p>Assay: min. 99.0 % by area</p> <p>Appearance: colourless to pale yellow liquid</p> <p>Packaging: 160 kg drum, ISO container</p> <p>Other:</p>	<p>Pharma: diabetica, vitamins, others</p> <p>Agro: insecticides, fungicides, herbicides</p> <p>Chemicals: dyes, others</p> <p>Other:</p>
	<p>Ethyl chloroformate (ECF), Carbonochloridic acid, ethyl ester</p> <p>CAS Reg. No.: 541-41-3</p>	<p>Assay: min. 98.5 % by area</p> <p>Appearance: colourless to pale yellow liquid</p> <p>Packaging: 160 kg drum, ISO container</p> <p>Other:</p>	<p>Pharma: antibiotics, diabetica, others</p> <p>Agro: insecticides, fungicides, herbicides</p> <p>Chemicals: PVC initiator, dyes, peroxides, others</p> <p>Other:</p>
	<p>n-Propyl chloroformate (nPCF), Carbonochloridic acid, propyl ester</p> <p>CAS Reg. No.: 109-61-5</p>	<p>Assay: min. 98.0 % by area</p> <p>Appearance: colourless to pale yellow liquid</p> <p>Packaging: 200 l drum, ISO container</p> <p>Other:</p>	<p>Pharma:</p> <p>Agro: fungicides</p> <p>Chemicals: dyes</p> <p>Other:</p>
	<p>i-Propyl chloroformate (iPCF), Carbonochloridic acid, 1-methylethyl ester</p> <p>CAS Reg. No.: 108-23-6</p>	<p>Assay: min. 98.5 % by area</p> <p>Appearance: colourless to pale yellow liquid</p> <p>Packaging: 200 l drum, ISO container</p> <p>Other:</p>	<p>Pharma:</p> <p>Agro: plant protection</p> <p>Chemicals: dyes</p> <p>Other:</p>

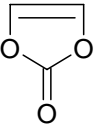
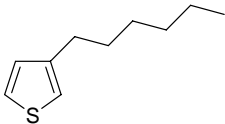
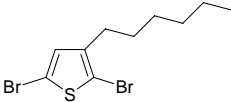
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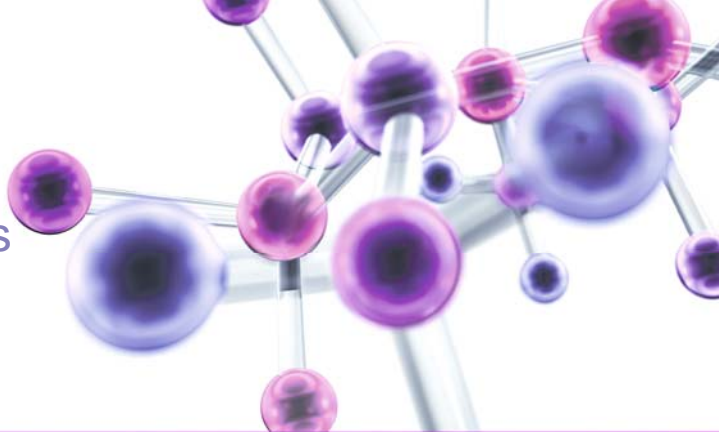
Structure	Product ID	Main Characteristics	Main Application Segments
<i>Phosgene derivatives</i>			
	Phenyl chloroformate (PCF), Carbonylchloridic acid, phenyl ester CAS Reg. No.: 1885-14-9	Assay: min. 99.0 % by area Appearance: colourless to pale yellow liquid Packaging: 240 kg drum, ISO container Other:	Pharma: vitamins, other Agro: plant protection, fungicides Chemicals: PVC initiator, dyes Other:
	N,N'-Carbonyldiimidazole (CDI), 1,1'-Carbonylbis-1H-imidazole CAS Reg. No.: 530-62-1	Assay: min. 98.0 % by area Appearance: white to pale coloured solid matter Packaging: 50 kg drum, 10 kg drum Other:	Pharma: pharmaceutical products Agro: Chemicals: general synthesis Other:
	Diethyl carbonate (DEC), Carbonic acid, diethyl ester CAS Reg. No.: 105-58-8	Assay: min. 99.6 % by area Appearance: colourless, clear liquid with a sweetish odour Packaging: 185 kg drum Other:	Pharma: Agro: Chemicals: Other: solvent, batteries
	Methyl carbazate, Carbazic acid, methyl ester (8Cl) CAS Reg. No.: 6294-89-9	Assay: min. 97.0 % by area Appearance: white to pale pink coloured crystalline powder Packaging: 25 kg drum Other:	Pharma: pharmaceutical products Agro: Chemicals: Other: electronics

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Structure	Product ID	Main Characteristics	Main Application Segments
<i>Electronic Chemicals/Thiophene derivatives</i>			
	Vinylene carbonate, 1,3-Dioxol-2-one, Carbonic acid, cyclic vinylene ester (6Cl, 8Cl) CAS Reg. No.: 872-36-6	Assay: high purity grade: > 99,5 % by area technical grade: > 98 % by area Appearance: colourless to light yellow liquid Packaging: on request Other: high purity available	Pharma: Agro: Chemicals: batteries, polymers Other:
	3-Hexylthiophene, Thiophene, 3-hexyl- CAS Reg. No.: 1693-86-3	Assay: > 99 % by area Appearance: light yellow liquid Packaging: on request Other:	Pharma: Agro: Chemicals: printed electronic applications such as solar cells, RFID, FET, OLED Other:
	2,5-Dibromo-3-hexylthiophene, 2-Bromo-3-n-hexylthiophene, 3-Hexyl-2-bromothiophene CAS Reg. No.: 116971-11-0	Assay: > 99 % by area Appearance: light yellow liquid Packaging: on request Other:	Pharma: Agro: Chemicals: printed electronic applications such as solar cells, RFID, FET, OLED Other:

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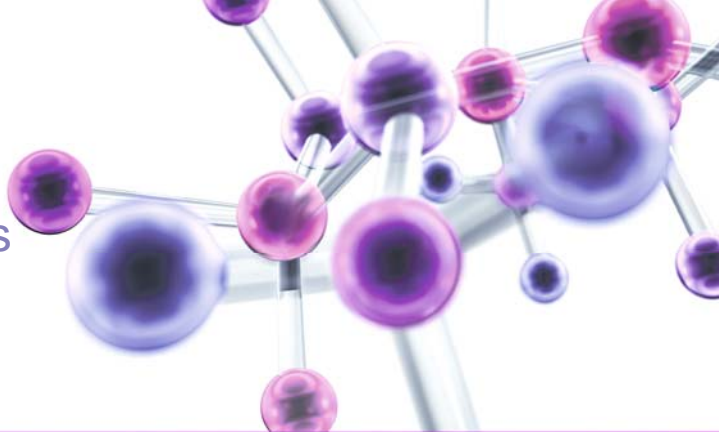


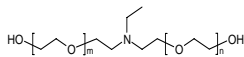
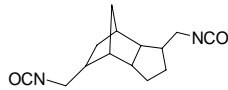
Structure	Product ID	Main Characteristics	Main Application Segments
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Polymer Additives

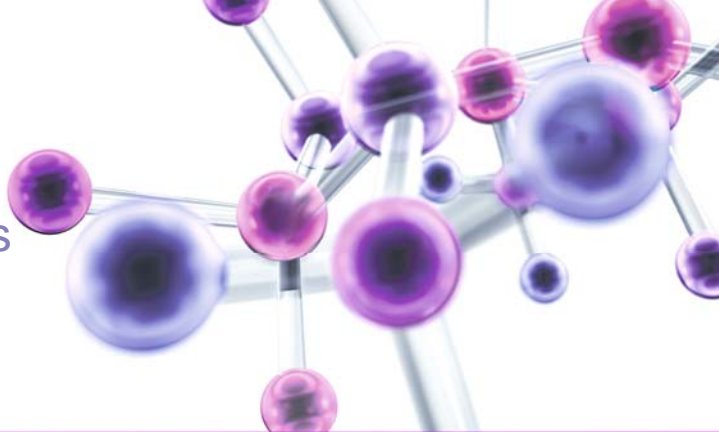
	<p>Chain Extender 30/10, HQEE, Hydroquinone bis-(2-hydroxyethyl) ether</p> <p>CAS Reg. No.: 104-38-1</p>	<p>Appearance: white to weakly grey pastilles</p> <p>Packaging: 120 kg drum</p>	<p>Intermediate for the synthesis of plastics and auxiliaries, thermoplastic polyurethanes, inks, coatings and adhesives</p>
	<p>Bis-(2-phenoxyethyl)-formal</p> <p>CAS Reg. No.: 13879-32-8</p>	<p>Appearance: clear, pale yellow liquid</p> <p>Packaging: 225 kg PE drum</p>	<p>Plasticizer for coatings, plastics (2-component-PU systems), construction chemicals, rubber (polysulfide rubber), substitute for phthalates as plasticizer (e. g. DEHP)</p>
	<p>N-Ethylpiperidine</p> <p>CAS Reg. No.: 766-09-6</p>	<p>Appearance: colourless to light yellow liquid</p> <p>Packaging: 200 l drum, rail tanker, container</p>	<p>Plastics, building block for pharmaceuticals</p>
	<p>Iron, tris(2,4-pentanedionato)-eisen(III), Iron(III)Acetylacetonate</p> <p>CAS Reg. No.: 14024-18-1</p>	<p>Appearance: red, crystalline powder</p> <p>Packaging: 12 kg PE drums, other packing sizes on request</p>	<p>Plastics, coatings, magnetic materials, glass processing</p>

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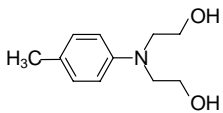
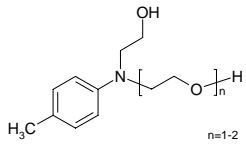
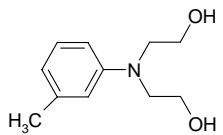
Structure	Product ID	Main Characteristics	Main Application Segments
<i>Polymer Additives</i>			
	<p>Ethylamine, polymer with ethylene oxide</p> <p>CAS Reg. No.: 026795-68-6, 83536-29-2</p>	<p>Appearance: dark red to dark brown liquid</p> <p>Packaging: 200 kg drum, 1000 kg PE-container/IBC</p>	<p>Plasticizer for PVC, polyurethane foams</p>
	<p>Octahydro-bis-(isocyanato-methyl)-4,7-methano-H-indene, Octahydro-4,7-methano-1H-indenedimethyldiisocyanate, TCDDI, TCD-diisocyanate</p> <p>CAS Reg. No.: 028807-72-9</p>	<p>Appearance: colourless to light yellow liquid</p> <p>Packaging: 50 kg drum, other packing sizes on request</p>	<p>Monomer in polyurethanes and polyureas</p>
	<p>Emulsifier W, Alkyl-aryl-phenolat</p> <p>CAS Reg. No.: 104376-72-9 and 68130-72-3</p>	<p>Appearance: yellow-brown, viscous liquid</p> <p>Packaging: road tanker, 1000 kg container, 230 kg drum, 60 kg hobbock</p>	<p>Formulation additive for coatings, adhesives, rubber chemicals, plastics, agrochemicals and dispersion of inorganic pigments; used as emulsifier for emulsion polymerization, e. g. latex (butyl rubber) or ion exchange resins</p>

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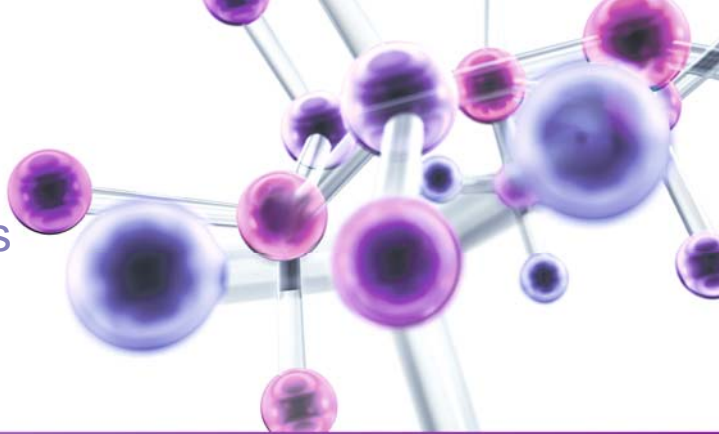


Structure	Product ID	Main Characteristics	Main Application Segments
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Polymer Additives

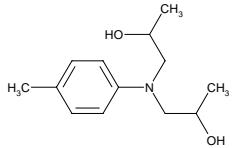
	<p>N,N-Dihydroxyethyl-p-toluidine, N,N-Bis(2-hydroxyethyl)-p-toluidine</p> <p>CAS Reg. No.: 3077-12-1</p>	<p>Assay: min. 97 %, high isomeric purity</p> <p>Appearance: pale to yellow-brown, liquid to fused, crystalline product</p> <p>Packaging: 200 kg rolling channel drum, 25 kg can</p>	<p>Chemicals: dyes, pigments, optical brighteners, plastics, auxiliaries, adhesives</p> <p>Other: polymers, dental and medical materials, unsaturated polyester resins, polyacrylates, polyvinylesters, road marking paints</p>
	<p>Accelerator PT25E/2</p> <p>CAS Reg. No.: 3077-12-1</p> <p>over-ethoxylated</p>	<p>Assay: high isomeric purity</p> <p>Appearance: light yellow to brown, liquid → easier to handle</p> <p>Packaging: 200 kg drum, 1000 kg container</p>	<p>Amine activator for organic peroxide initiation, i. e. dibenzoyl peroxide (BPO), used in activating MMA based acrylic resins, styrene based unsaturated polyesters and vinyl ester methacrylate formulations, ideal in applications including acrylic flooring, adhesives, road marking paints, anchor bolts, chemical mortars</p>
	<p>N,N-Dihydroxyethyl-m-toluidine, N,N-Dioxyethyl-m-toluidine, N,N-Bis(2-hydroxyethyl)-m-toluidine</p> <p>CAS Reg. No.: 91-99-6</p>	<p>Assay: min. 96 %</p> <p>Appearance: white to light beige solid product</p> <p>Packaging: 190 kg drum</p>	<p>Chemicals: dyes, pigments, optical brighteners, chemical products, coatings, adhesives, auxiliaries</p> <p>Other: polymers, general synthesis disperse dyes, azo dyes, plastics (polyacrylates), medical applications</p>

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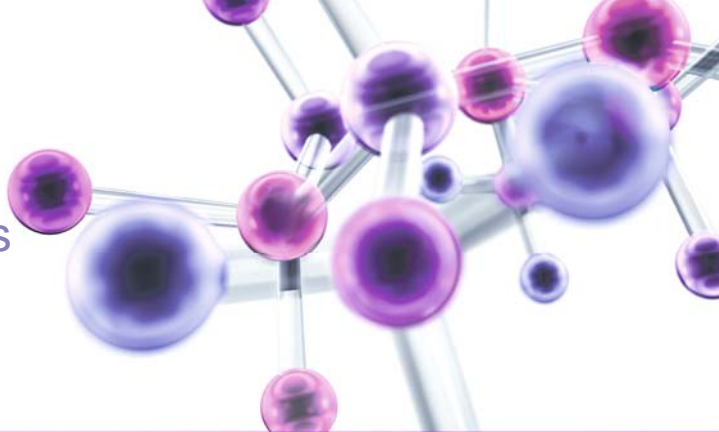


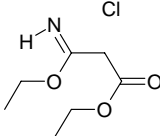
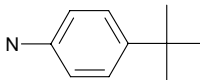
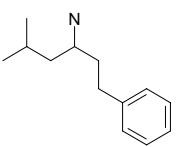
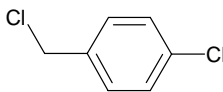
Structure	Product ID	Main Characteristics	Main Application Segments
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Polymer Additives

 <chem>CC1=CC=C(C=C1)N(CC(O)C)CC(O)C</chem>	Dihydroxypropyl-p-toluidine, Dipropoxy-p-toluidine, N,N-Bis(2-hydroxypropyl)-p-toluidine CAS Reg. No.: 38668-48-3	Assay: min. 96 %, high isomeric purity Appearance: pale yellow, solidified melt Packaging: 190 kg drum, 25 kg can	Chemicals: dyes, pigments, optical brighteners, plastics, auxiliaries, adhesives Other: polymers, dental and medical materials, unsaturated polyester resins, polyacrylates, polyvinylesters, road marking paints
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Structure	Product ID	Main Characteristics	Main Application Segments
Others			
	<p>Iminoesterchlorohydrat, Ethyl 3-ethoxy-3-iminopropionate hydrochloride</p> <p>CAS Reg. No.: 2318-25-4</p>	<p>Assay: min. 90.0 % by area</p> <p>Appearance: white, crystalline, wet paste</p> <p>Packaging: 200 l drum with approx. 120 kg content</p> <p>Other:</p>	<p>Pharma:</p> <p>Agro: fertilizer</p> <p>Chemicals: dyes, photo chemistry</p> <p>Other:</p>
	<p>p-tert-Butylaniline, Benzenamine, 4-(1,1-dimethylethyl)-</p> <p>CAS Reg. No.: 769-92-6</p>	<p>Assay: min. 98.0 % by area</p> <p>Appearance: colourless to pale brown liquid</p> <p>Packaging: 180 kg drum</p> <p>Other:</p>	<p>Pharma:</p> <p>Agro:</p> <p>Chemicals: dyes, photo chemistry</p> <p>Other:</p>
	<p>3-Methyl-1-phenethylbutylamine, 2-Methyl-6-phenyl-4-hexylamine</p> <p>CAS Reg. No.: 6396-93-6</p>	<p>Assay: min. 99.0 % by area</p> <p>Appearance: colourless to yellowish liquid</p> <p>Packaging: 200 kg drum</p> <p>Other:</p>	<p>Pharma:</p> <p>Agro:</p> <p>Chemicals: dyes</p> <p>Other:</p>
	<p>p-Chlorobenzyl chloride, 1-Chloro-4-chloromethylbenzene, Benzene, 1-chloro-4- (chloromethyl)</p> <p>CAS Reg. No.: 104-83-6</p>	<p>Assay: min. 99,0 % by area</p> <p>Appearance: colourless, crystalline solid</p> <p>Packaging: 250 kg drum, ISO container</p> <p>Other:</p>	<p>Pharma: diabetica</p> <p>Agro: insecticides, fungicides, herbicides, plant protection</p> <p>Chemicals: general synthesis</p> <p>Other:</p>

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