

Saltigo Fine Chemical Intermediates

Saltigo, a 100% subsidiary of the specialty chemicals company LANXESS, was established as an independent business on the fine chemicals market in April 2006. In addition to custom manufacturing Saltigo offers a broad pallet of Fine Chemical Intermediates for all industries.

saltigo
customized competence

A company of the
LANXESS
Group



SALTIGO CONVINCES WITH OUTSTANDING & POWERFUL NETWORK

Versatile technology base

- Broad permits, versatile technology
- Complex syntheses in many scales
- Wide-ranging equipment and material mix

Chemical park integration

- Excellent infrastructure
- Broad recycling capacities
- Waste water treatment, incineration and landfill on site

Excellent network

- 10 connected plants in Germany
- Integrated in LANXESS group
- Process Development & Analytics located next door

HSEQ

- ISO certified
- Reliable quality
- High safety standards



SALTIGO OFFERS CHALLENGING CHEMICALS AND TECHNOLOGIES IN PROCESS DEVELOPMENT AND MANUFACTURING

Challenging reagents

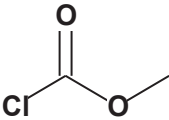
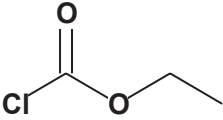
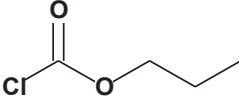
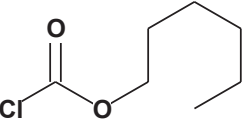
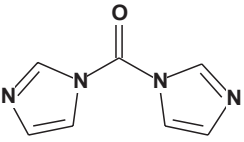
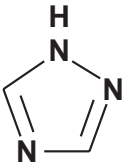
- Phosgene
- Hydrazine, methyl hydrazine
- Ethylene oxide
- Complex hydrides
- Fluorinations with HF and Halex reactions
- Chlorination
- Carbon monoxide

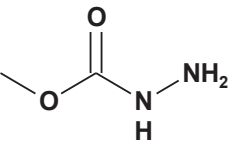
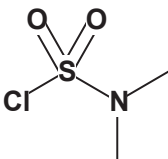
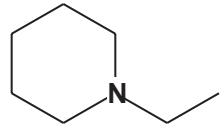
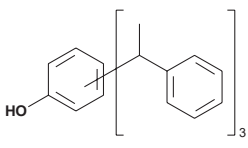
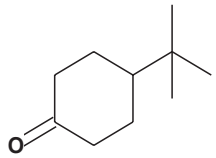
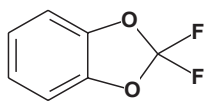
Basic technologies

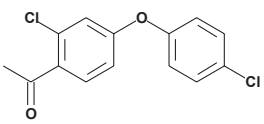
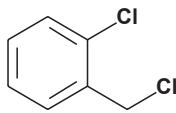
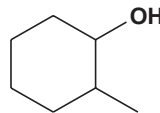
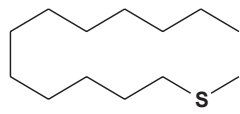
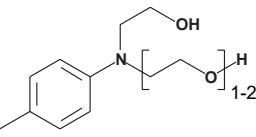
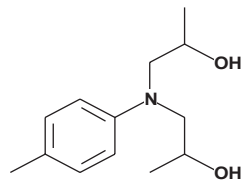
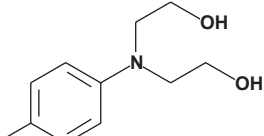
- Hydrogenation
- Friedel-Crafts reactions
- Oxidation & Reduction
- Bromination
- Nitration
- Halogenation
- Sulfonation

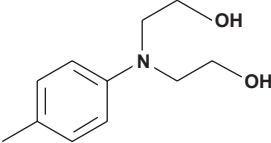
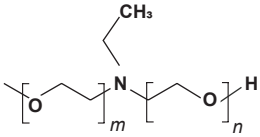
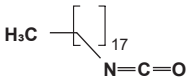
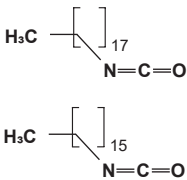
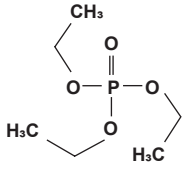
Cutting edge

- Cross-coupling technologies
- Buchwald CN coupling
- Asymmetric catalytic hydrogenation
- Transfer hydrogenation
- Grignard reactions
- Enzymatic reactions
- Chiral resolution
- Metathesis

Structure	Identification	Characteristics	Main Applications	On Request (OR) / Regular Production (RP)
<i>Phosgene derivatives</i>				
	Methyl chloroformate MCF, Methyl chlorocarbonate, Chloroformic acid methyl ester CAS Reg. No. 79-22-1 TSCA: Active	Assay: min. 99.0% by area Appearance: colorless to pale yellow liquid Packaging: 160 kg drum, ISO tank	Organic reagent for introduction of the methoxycarbonyl group, synthesis of carbonates, carbamates, anhydrides etc.	RP
	Ethyl chloroformate ECF, Ethyl chlorocarbonate, Chloroformic acid ethyl ester CAS Reg. No. 541-41-3 TSCA: Active	Assay: min. 98.5% by area Appearance: colorless to pale yellow liquid Packaging: 160 kg drum, ISO tank	Organic reagent for introduction of the ethoxycarbonyl group, synthesis of carbonates, carbamates, anhydrides etc.	RP
	n-Propyl chloroformate nPCF, n-Propyl chlorocarbonate, Chloroformic acid propyl ester CAS Reg. No. 109-61-5 TSCA: Active	Assay: min. 98.0% by area Appearance: colorless to pale yellow liquid Packaging: ISO tank	Organic reagent for introduction of the n-propoxycarbonyl group, synthesis of carbonates, carbamates, anhydrides etc.	OR
	n-Hexylchloroformate HCF, n-Hexylchlorocarbonate, Chloroformic acid hexyl ester CAS Reg. No. 6092-54-2 TSCA: Active	Assay: 96.0 – 102.0% Appearance: clear colorless to yellow liquid Packaging: 190 kg drum	Organic reagent for introduction of the n-hexyloxy-carbonyl group, synthesis of carbonates, carbamates, anhydrides etc.	OR
	Carbonyldiimidazole 1,1'-Carbonylbis(imidazole), CDI, CBI CAS Reg. No. 530-62-1 TSCA: Active	Assay: min. 98.0% by area Appearance: white to pale colored solid Packaging: 10 kg drum, 20 kg drum, 25 kg drum, 50 kg drum	Versatile organic reagent, safer-to-handle phosgene equivalent, activator for carboxylic acids etc.	OR
<i>Triazole</i>				
	1,2,4-Triazole CAS Reg. No. 288-88-0 TSCA: Active	Assay: min. 99.5% by area Appearance: white to light colored flakes Packaging: 100 kg drums 625 kg & 780 kg big bags	Intermediate for agrochemicals, pharmaceuticals and other fine chemicals	RP

Structure	Identification	Characteristics	Main Applications	On Request (OR) / Regular Production (RP)
<i>Other Reagents and Building Blocks</i>				
	Methyl carbazate Methyl hydrazinocarboxylate, Methoxycarbonyl hydrazine CAS Reg. No. 6294-89-9 TSCA: Active	Assay: min. 97.0 % by area Appearance: white to pale pink colored crystalline powder Packaging: 25 kg fibre drum	Organic reagents for transfer of the hydrazine group, protecting group for carbonyl functions etc.	OR
	Dimethylaminosulfonyl chloride N,N-Dimethylaminosulfonyl chloride CAS Reg. No. 13360-57-1 TSCA: Active	Assay: min. 98.0 % by area Appearance: yellowish to green liquid Packaging: 250 kg drum	Reagent for the introduction of the N,N-dimethylsulfonyl group	OR
	N-Ethylpiperidine 1-Ethylpiperidine CAS Reg. No. 766-09-6 TSCA: Active	Assay: min. 99.6% by area Appearance: colorless to light yellow liquid Packaging: 160 kg rolling channel drum, rail tanker, ISO tank	Building block, sterically hindered base, tertiary amine	OR
	Tristyrenated Phenol; Reaction mass of 2,6-bis(1-phenylethyl)phenol and 2,4,6-tris(1-phenylethyl)phenol CAS Reg. No. 61788-44-1, 18254-13-2, 25640-71-5 TSCA: Active	Assay: 60 - 75% Appearance: colorless to pale yellow, highly viscous liquid Packaging: 200 kg rolling channel drum, ISO tank	Intermediate for production of surfactants	OR
	4-tert-Butylcyclohexanone CAS Reg. No. 98-53-3 TSCA: Active	Assay: min. 99.0 % Appearance: at room temperature colorless to light yellowish crystals. At temperatures > 45 °C colorless to yellowish clear liquid. Packaging: ISO tank and drums	Intermediate for agrochemicals, pharmaceuticals and other fine chemicals, flavor and fragrance in food and household products, polymer component in ink, paint, resins, dyestuffs, coatings and as additive in lithium batteries	OR
	2,2-Difluoro-1,3-benzodioxole CAS Reg. No. 1583-59-1 TSCA: Active	Assay: min. 98.0% Appearance: colorless to yellow liquid. Packaging: ISO Container	Intermediate for agrochemicals, pharmaceuticals and other fine chemicals	OR

Structure	Identification	Characteristics	Main Applications	On Request (OR) / Regular Production (RP)
<i>Other Reagents and Building Blocks</i>				
	2-Chloro-4-(4-chlorophenoxy)acetophenone 4-Acetyl-3,4'-dichlorodiphenylether, ADCPE CAS Reg. No. 119851-28-4	Assay: min. 97.0% Appearance: yellow to brown solidified melt Packaging: ISO tank	Intermediate for agrochemicals, pharmaceuticals and other fine chemicals	OR
	o-Chlorobenzyl chloride oCBC, 2-Chlorobenzyl chloride CAS Reg. No. 611-19-8 TSCA: Active	Assay: min. 99.0% (area) Appearance: clear to pale yellow liquid Packaging: ISO Container	Intermediate for agrochemicals, pharmaceuticals and other fine chemicals	OR
	2-Methylcyclohexanol 2-MCH CAS Reg. No. 583-59-5 TSCA: Active	Assay: min. 98.0% Appearance: clear colorless to yellow-brownish liquid with camphor-like odor Packaging: ISO Container (drums and IBCs upon request)	Intermediate for agrochemicals, pharmaceuticals and specialty solvents (i.e. 2-MCH acetate)	OR
	Dodecyl methyl sulfide DOMESU CAS Reg. No. 3698-89-3 TSCA: Active	Assay: min. 99.0% Appearance: light to slightly turbid liquid Packaging: 900 kg IBC	Virtually odorless substitute for lower dialkylsulfides (in thiol exchange reactions, Corey-Kim oxidations, Swern oxidations, hydroborations etc.); in flavors and fragrances; for catalyst sulfidation	OR
<i>Polymer Additives and Functional Products</i>				
	Accelerator PT25E/2 N,N-Bis(2-hydroxyethyl)-p-toluidine (over-ethoxylated) CAS Reg. No. 3077-12-1, 878391-30-1	Assay: 46-52% by area, Hydroxy value 460-540 mg KOH/g, Amine value 240-270 mg KOH/g Appearance: light yellow to brown liquid Packaging: 25 kg steel can, 200 kg steel drum, IBC 1000 kg	Liquid curing agent for epoxy resins	OR
	Dipropoxy-p-toluidine Diisopropanol-p-toluidine, N,N-Bis(2-hydroxypropyl)-p-toluidine CAS Reg. No. 38668-48-3 TSCA: Active	Assay: min. 96.0% Appearance: pale yellow, solidified melt Packaging: 25 kg steel can, 50 kg steel can, 190 kg steel drum	Curing agent for epoxy resins	OR
	N,N-Dihydroxyethyl-p-toluidine DEPT, N-(p-Tolyl)diethanolamine, Diethylol-p-toluidine, PT 2HE CAS Reg. No. 3077-12-1 TSCA: Active	Assay: min. 97.0% Appearance: pale to yellow-brown, liquid to fused, crystalline product Packaging: 25 kg steel can, 200 kg steel drum	Curing agent for epoxy resins	OR

Structure	Identification	Characteristics	Main Applications	On Request (OR) / Regular Production (RP)
<i>Polymer Additives and Functional Products</i>				
	N,N-Dioxethyl-m-toluidine Diethylol-m-toluidine, N-(m-Tolyl)diethanolamine CAS Reg. No. 91-99-6 TSCA: Active	Assay: min. 96.0% Appearance: white to light beige solid Packaging: 25 kg steel can, 190 kg steel drum	Curing agent for epoxy resins	OR
	Polyether E719 Ethylamine-ethylene oxide polymer CAS Reg. No. 26795-68-6	Hydroxyl No. 475-505 mg KOH/g Appearance: dark red to dark brown liquid Packaging: 200 kg rolling channel drum; 1000 kg IBC	Polyetheramine-based plasticizer for chloroethylene-based polymers; emulsifier for butadiene emulsion polymerization	OR
	STI 97, Stearyl Isocyanate, Octadecyl Isocyanate CAS 112-96-9 TSCA: Active	Assay: min. 97.0% Appearance: semitransparent liquid or white solid Packaging: 150 kg drums	Release agent for adhesives, polyamide coatings, hot melt inks, textile applications	RP
	STI 65, Blend of Stearyl Isocyanate and Hexadecyl Isocyanate CAS 112-96-9, 1943-84-6 TSCA: Active	Assay: Mixture of Octadecyl isocyanate (approx. 65%) Hexadecyl isocyanate (approx. 35%) Appearance: white or pale yellow, can be solid below 16°C Packaging: 150 kg drums	Release agent for adhesives, polyamide coatings, hot melt inks, textile applications	RP
Oligomeric benzopinacol silyl ether mixture + 	Initiator BK, Blend of Triethyl Phosphate, an oligomeric silyl ether of benzopinacol and Xylenes CAS Reg. No. 78-40-0, 141686-55-7, 90989-38-1 TSCA: Active	Assay: N/A (ECHA UVCB) Appearance: yellow to brown viscose liquid, occasionally with whitely to yellow sediment Packaging: 50 kg cans, 1000 kg IBC	Initiator for radical polymerization reactions, reactive retarding agent for peroxides. For vinylic monomers, acrylic compounds, olefins. Reactive agent for peroxides. For curable coatings, sheet and bulk moulding compounds. Not self-accelerating.	RP



CLIMATE
NEUTRAL \ 2040

LANXESS WANTS TO
BECOME CLIMATE-
NEUTRAL BY 2040.
SALTIGO IS
PART OF IT AND
MAKES AN ACTIVE
CONTRIBUTION!

Climate Neutral 2040

The chemical industry in Europe aims to be climate neutral by 2050. LANXESS' objective is to outpace that goal by a decade, achieving climate-neutral status by 2040.

As a 100% subsidiary of LANXESS, Saltigo is part of this and makes an active contribution.

LANXESS is already well on its way:

From 2004 - 2018, they cut their greenhouse gas emissions in half and will strive to do so again before 2030.

We have a clear roadmap

- Realize major impact projects for climate protection
- Decouple emissions and growth
- Pursue technological innovations

Reducing and ultimately neutralizing scope 3 value chain emissions:

- Realize major impact projects for climate protection
- Decouple emissions and growth
- Pursue technological innovations

-75%

CO₂e emissions by 2030
versus 2004



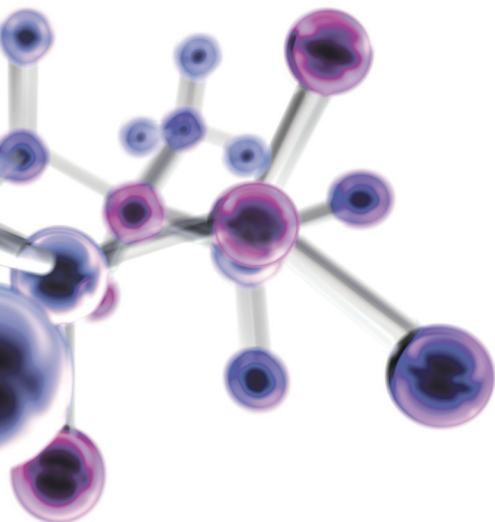
“WE AIM TO CONSTANTLY IMPROVE THE SUSTAINABILITY PERFORMANCE OF OUR PRODUCT PORTFOLIO. HERE, IT IS IMPORTANT TO UNDERSTAND AND ACCOUNT FOR THE UPSTREAM VALUE CHAIN AS WELL.

DR. CHRISTOPH SCHAFFRATH,
HEAD OF MARKETING & SALES

Our commitment to sustainability

LANXESS is recognized by a number of sustainability indices and rankings its our progress toward sustainable management.





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LANXESS
Group