



**5** Decades of  
**Excellence**  
Thionyl Chloride  
& Acid Chlorides

Transpek

## profile :

Transpek Industry Limited was established in 1965 at Vadodara, India. It is a part of Excel Group of Companies, an undisputed leader in core chemistry such as Sulphur, Chlorine, Phosphorus and Bromine based Compounds.

Transpek has over five decades of experience in Sulphur and Chlorine chemistry and over two decades of presence in the international market.

Stock Exchange Listing : Bombay Stock Exchange

Core Sector : Industrial & Speciality Chemicals

Certification : ISO 9001:2015  
ISO 14001:2015  
ISO 45001:2018  
ISO 50001:2018

Two Star Export House recognized by Government of India.

Transpek

## product applications:

- Polymers
- Pharmaceuticals
- Plastics
- Agrochemicals
- Dyestuff
- Surfactants
- Flavors & Fragrance

Transpek

## capabilities :

### Reactions

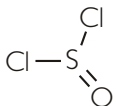
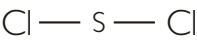
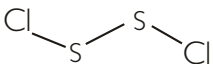
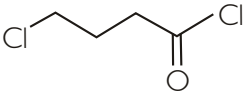
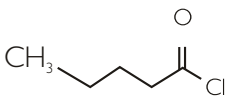
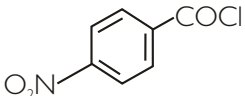
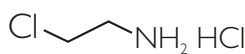
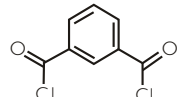
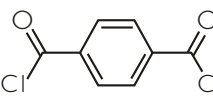
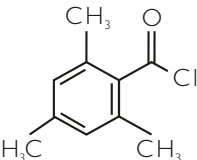
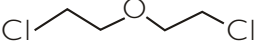
- Chlorination with Chlorine (Inorganic chemicals)
- Acid Chlorination with Thionyl Chloride (Acid chlorides & Fatty acid chlorides)
- Alcohol Chlorination with Thionyl Chloride (Alkyl chlorides)
- Friedel-Crafts Reactions
- Sulfonation
- Amidation

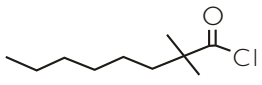
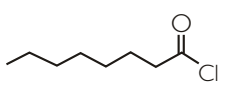
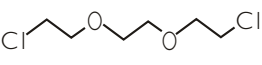
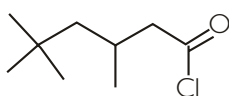
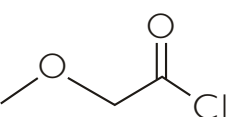
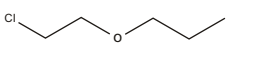
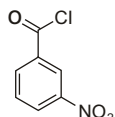

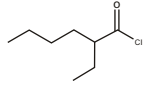
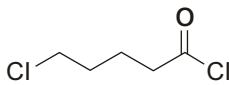
### Unit Operations

- Continuous Reaction
- Gas Scrubbing
- Distillation
- Solid-Liquid Separation



## Regular Products :

PRODUCT	SYNONYMS	STRUCTURE	INTERMEDIATE FOR
<b>Thionyl chloride</b> [7719-09-7]	Sulfurous oxy chloride; Sulfur oxide dichloride; Sulfinyl chloride; Dichlorosulfoxide; Sulfur monoxide-dichloride		Chlorinating agent for carboxylic acids, alcohol and active methylene. Used in the industrial production of organochlorine compounds which are often intermediates in pharmaceuticals, agrochemicals, dyestuffs, energy, optical brighteners
<b>Sulphur dichloride</b> [10545-99-0]	Sulphur chloride; Dichlorosulfane		Bithionol; Timolol, Benfuracarb; Temephos; Thiodicarb; Pigment Green 7; Sulfametrole; Thidazuron; as Vulcanization agent
<b>Sulphur monochloride</b> [10025-67-9]	Disulfur dichloride; Dichlorodisulfane		4,4'-Dithiodimorpholine; Vat green 14; Sulfur tetrafluoride; Caprolactum disulfide; Fatice; as vulcanization agent
<b>4-Chlorobutyryl chloride</b> [4635-59-0]	4-Chlorobutanoyl chloride; $\gamma$ -Chlorobutyryl chloride		Fexofenadine; Haloperidol; Levetiracetam; Ebastine; Sumatriptan; Zolmitriptan; Benperidol; Almotriptan; Aceperone; Pimozide; Kadethrinic acid
<b>n-Valeryl chloride</b> [638-29-9]	Valeroyl chloride; n-Valeric acid chloride; Pentanoyl chloride		Irbesartan; Valsartan; Dronedaron; Diflucortolone valerate; Pyrovalerone; Hexaconazole
<b>p-Nitrobenzoyl chloride</b> [122-04-3]	4-Nitrobenzoyl chloride; 4-Nitrobenzoic acid chloride		Procainamide; Balsalazide; Methotrexate; Folic acid; Reboxetine; Procaine; Conivaptan; Amelrodine; Mozavaptan; Intermediates for Direct Dyes
<b>2-Chloroethylamine-hydrochloride Solution</b> [870-24-6]	2-chloroethyl-ammonium chloride; $\beta$ -Chloroethylamine-hydrochloride		Ifosfamide; Fluvoxamine; Glufosfamide; SarCNU; Ketorolac; Intermediate for dyes
<b>Isophthaloyl chloride</b> [99-63-8]	Isophthalic acid-dichloride; m-phthaloyl chloride; Isophthaloyl dichloride		Poly (m-phenyleneisophthalamide); Polyether ketone ketone; Polyarylate; amorphous; Ditophal; Vat Yellow 23; Vat Orange 17; Vat Yellow 26
<b>Terephthaloyl chloride</b> [100-20-9]	1,4-Benzene dicarbonyl-chloride; p-phthaloyl chloride; Terephthalic acid dichloride		Poly (p-phenyleneterephthalamide); Polyether ketone ether ketone ketone; Poly ether ketone ketone; Polyarylate amorphous; Vat Yellow 13, Vat Yellow 11
<b>2,4,6 Trimethyl Benzoyl Chloride</b> [938-18-1]	2-Mesitylenecarbonyl Chloride		TPO photoinitiator, Bis(2,4,6-trimethylbenzoyl) 2-methylphenyl phosphine oxide, Bis(2,4,6-trimethylbenzoyl) 2-methylphenyl phosphine oxide, Bis-trimethylbenzoyl phenylphosphine oxide
<b>Diethylene glycol dichloride</b> [111-44-4]	Bis(2-chloroethyl)ether; 2,2- Dichlorodiethylether; 2- Chloroethyl ether		Oxeladin, Diamfenetide, Benzethonium chloride, Guaipate, Chloral hydrate, Diglyme, Ethylthionosophonyl dichloride

PRODUCT	SYNONYMS	STRUCTURE	INTERMEDIATE FOR
<b>Propargyl chloride Solution</b> [624-65-7]	3-Chloroprop-1-yne; 3-Chloropropyne; 1-Chloro-2-propyne; 2-Propynyl chloride; Gamma chloroallylene	$\text{Cl}-\text{CH}_2-\text{C}\equiv\text{CH}$	Rimoprogin; Rasagilline; Salegilene; Clodinafop propargyl; Parconazole; Brightening additives for Nickel plating
<b>Neodecanoyl chloride</b> [40292-82-8]	NDCL; Neodecanoic acid chloride		tert-Butyl peroxyneodecanoate; Didecanoyl peroxide; tert-Amyl peroxyneodecanoate; Cumyl peroxyneodecanoate
<b>n-Octanoyl chloride</b> [111-64-8]	Capryloyl chloride; Caprylic acid chloride; Octanoic acid chloride; Octanoyl chloride		Orlistat; Bromoxynil octanoate; Ioxynil octanoate; Fingolimod; Intermediate for Thiocarboxylate silane, Perfluorooctanoic acid, Dioctanyl Peroxide
<b>Triethyleneglycol-dichloride</b> [112-26-5]	Triglycol dichloride; 1,2-Bis-(2-chloroethoxy) ethane; 1,2-Bis-(chloroethoxy) ethane; 1,8-Dichloro-3,6-dioxaoctane		18-Crown-6; 4,13-Diaza-18-crown-6; Guaipate
<b>Isononanoyl chloride</b> [36727-29-4]	3,5,5-Trimethyl-hexanoyl chloride; Isononanoic acid chloride		Diisononanoyl peroxide; Piroctone; Ethyl 3,5,5-trimethylhexanoate
<b>Cocoyl chloride</b> [68187-89-3]	Cocofatty acid chloride; Acid chlorides coco	—	Sodium cocoyl glycinate; Sodium Cocoyl isethionate; Sodium Cocoyl Sarcosinate
<b>Methoxyacetyl chloride</b> [38870-89-2]	Methoxyacetic acid chloride; 2-Methoxy-acetyl chloride; alpha-Methoxyacetyl-chloride		Febantel; Brifentanil; Metalaxyl; Iopromide; Oxadixyl; Mibefradil dihydrochloride
<b>2-Propoxyethylchloride</b> [42149-74-6]	1-(2-Chloroethoxy)-propane; 2-Chloroethylpro pylether		Pretilachlor
<b>Lauroyl chloride</b> [112-16-3]	Dodecanoyl chloride; Dodecanoic acid chloride; Lauric acid chloride; n-Dodecanoyl chloride	$\text{CH}_3(\text{CH}_2)_9\text{CH}_2\text{C}(=\text{O})\text{Cl}$	Dilauroyl peroxide; Methyl-3-oxotetradecanoic acid; Sodium Lauroyl Sarcosinate
<b>m-Nitrobenzoyl Chloride</b> [121-90-4]	3-Nitrobenzoyl chloride		Volixibat; Suramin sodium; Imidocarb
<b>Isobutyryl Chloride</b> [79-30-1]	2-Methylpropanoyl chloride; Isobutyryl chloride; Dimethylacetyl Chloride; Methylpropionyl Chloride		Flutamide; Isofetamid; Pyflubumide; ALPHA-Hydroxyisobutyrophenone; S-Prenyl thioisobutyrate
<b>2-Ethylhexanoyl Chloride</b> [760-67-8]	2-Ethylhexanoic acid chloride		Tert-Butyl peroxy-2-ethylhexanoate; 2,5-Bis-(2-ethylhexanoylperoxy)-2,5-dimethylhexane
<b>5-Chlorovaleryl chloride</b> [1575-61-7]	Chloro pentanoyl chloride; 5-Chlorovaleric acid chloride; 5-chloro-pentanoylchloride		Pinadoline; Apixaban; Pyraclonil

## Campaign Based Products

<b>3-Chloropivaloyl Chloride</b> [4300-97-4]	<b>Sulfuryl Chloride</b> [7791-25-5]	<b>o-Toluoyl chloride</b> [933-88-0]	<b>Pivaloyl Chloride</b> [3282-30-2]
<b>n-Decanoyl chloride</b> [112-13-0]	<b>n-Butyryl chloride</b> [141-75-3]	<b>n-Octyl Chloride</b> [111-85-3]	





Transpek

## key advantages :

- Pioneer manufacturer of Thionyl Chloride and Acid Chlorides in India.
- Specialisation and competence in Sulphur and Chlorine Chemistry.
- Backward integration and on-site production of key intermediates.
- Unique recycling system with Closed Loop Chemistry.
- Understanding and practice in handling, shipping and processing hazardous and corrosive materials.
- R&D Facility is recognized by DSIR / DST (Govt. of India).
- Most of the products are developed in-house.
- Offer Custom and Contract manufacturing.
- 100 Acres of land with green-belt of more than 30,000 trees.
- Full-fledged set of Kilo-lab, Pilot and Commercial Scale production plants.
- Dedicated, Multipurpose and Multi-Product Plants.
- In-house team of engineers for Process Scale-up, Plant Design, Erection and Commissioning.
- Capability to handle various packaging from Drums to IBC to ISO tanks.
- A fleet of more than 800 ISO tanks of various types with ISO tank cleaning and maintenance station.
- Full-fledged Effluent Management System with a licenced discharge facility to the central effluent channel.
- Self Sustained Water Source : Bore well with rain water recharge system.
- Power : Gujarat is a power surplus state plus necessary generator backup available at site.



[www.transpek.com](http://www.transpek.com)

Regd. Office:  
4th Floor, Lilleria 1038,  
Gotri-Sevasi Road,  
Vadodara - 390 021.  
Gujarat India.

Phone : +91 265 6700300-301  
Fax : +91 265 2335758  
Email : [inquiry@transpek.com](mailto:inquiry@transpek.com)

Factory:  
At & Post Ekalbara,  
Taluka: Padra,  
District: Vadodara,  
Postal Code: 391440,  
Gujarat, India

Phone : +91 2662  
244444/244318  
Fax : +91 2662 244439

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