

# THE PHARMA COOL CHAIN EXPERTS WORLDWIDE

## LOGISTICS & COOL CHAIN SOLUTIONS

SINCE 1983

PHARMA  
BIOTEC  
HEALTHCARE  
MEDICAL PRODUCTS  
TEMPERATURE SENSITIVE  
GOODS



**PHARMA  
LOGISTICS PARTNER®**



MEMBER OF



**HANSE SERVICE®**  
Internationale Fachspedition GmbH

You need a qualified GDP oriented logistics strategy?



## GDP Cool Chain Full-Service logistics and solution

### Premium Passive Solution

-78 C, -196 C, -15 C bis -25 C,  
+2 C bis +8 C, +15 C bis +25 C,  
IMCO Goods

### Pharma Warehouse

2°C -8°C, 15°C – 25°C  
-18°C 10.000 m<sup>2</sup>

Supply Chain Management  
Consulting  
Logistic Strategy

Customs Clearance  
ATLAS  
Bonded Warehouse

### API's, BTM

Active Pharmaceutical Ingredients  
Dangerous goods  
storage and transport



### Active Thermo Transport

Thermo Trailer 600  
HUBs 30  
24/7/365

GDP-Compliance  
QMS-System  
Risk Management

Sea-Air Freight  
Import / Export  
Temperature  
Controlled AEO-Status

IT-based Processes  
WMS  
Temperature Monitoring

Clinical Trials  
Worldwide CRO's  
Courier Service



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## COMPANY PROFIL

|                      |   |
|----------------------|---|
| Foundation:          | Juni 1983   |
| Business-segment:    | Logistics worldwide                                   |
| Headquarter:         | Hamburg   |
| Core segment:        | Pharmalogistics                                       |
| Subject Area:        | Coolchain systems, Biotec<br>Organic logistic & HACCP |
| AEO - Certification: | since 2008  |
| GDP - Compliance:    | updated 2017  |

### Network structure

|             |                                 |
|-------------|---------------------------------|
| Hubs:       | 30                              |
| Cool Trucks | 600                             |
| Employees:  | 1.500                           |
| CEOs:       | Jörg Brinkmann & Thorsten Eckel |

## CONTACT

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Merkmale Fachspeditionen



LinkedIn XING



Fast action and immediate decisions are required in logistics. This is best achieved by a personal support from a single source. Our customers appreciate this.

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## GDP-COMPLIANT LOGISTICS SOLUTIONS



**PHARMA LOGISTICS PARTNER**

## GLOBAL COOPERATION NETWORK SEA + AIR + ROAD

- GDP qualifield fleet
- Active and passive temperature solutions
- Actively and passively cooled solutions

## IT-BASED PROCESSES

- WMS Warehouse Management System
- Internet ELOG System Inventory Report
- Tracking & Tracing
- Temperature Monitoring

## QUALIFIELD EMPLOYEE

- Quality Management System
- GDP trained staff
- AEO-F Authorized Economic Operator
- Regulated air cargo agent

## WAREHOUSE PHARMA LOGISTICS

- -18°C/ +2°C ->+8°C /+15°C – +25°C
- Batch / Expiry Management
- GDP-Compliance
- Bounded Warehouse
- Dangerous goods storage Class 6.1, 6.2, WGK 1-3
- Loading into Air Container
- Various cooling chambers and temperatures



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## FULL-SERVICE CUSTOMIZED:

As a 3PL with 35 years of industry experience, we offer customized solutions. Logistics service provider with a contractual obligation to safeguard the QS in the individual stages of the SCM (Supply Chain Management).

## WE ENSURE YOUR QUALITY:

Our GDP-Compliance Quality Management System ensures your quality. We exactly know the critical interfaces in the Supply Chain.

## WE CREATE TRANSPARENCY:

Pharmalogisticspartner is authentic and provides transparency at all stages along the entire supply chain.  
Monitoring – ELOG System – Tracking Tracing - GPS

## OUR SERVICES:

- Air freight / sea freight worldwide ex works
- Temperature controlled truck network
- Courier transports from -196°C bis +30°C
- Passive qualified thermal packaging systems
- GDP pharmaceutical / warehouse logistics
- Warehouse management system
- Batch / expiry management
- Temperature monitoring
- Clinical trials solutions
- Reefer containers worldwide
- LCL consolidated container shipments
- Customs clearance export / import
- Narcotics logistics (BTM)
- Dangerous goods IMCO/DGR
- Certified systems
- Special/ Airfreight container temperature solutions
- Dry ice and nitrogen logistics (Dry Ice / Oxygen)
- GDP, AEOF, HACCP
- Temperature controlled bonded warehouse type D







## REQUIREMENTS



### QUALITY MANAGEMENT

QM-System  
Principles of QRM (ICH Q9)  
Deviation and Change Control

GDP-Compliance  
QM-Handbook / SOP's  
Risk Management & CAPA

### PERSONNEL

Responsibilities  
Organizational Structure

QMB QM-Team  
Organizational Chart & Job Descriptions  
Determination of Responsibilities

### STORAGE

Hygiene  
PEST Control  
Behavior  
Temperature Monitoring

Cleaning Schedules, Hygiene-System,  
Monitoring-System  
SOP's Instruction  
Continuous temperature monitoring  
Security System – Temp. Deviations

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DOCUMENTATION

COMPLAINTS AND  
RECALLS

SELF-INSPECTION

Transport

## REQUIREMENTS

QM- Doc. in an appropriate language  
Documentation  
Accessibility for all employees

Returns  
Risik assessment  
Deviation and Change Control

Contemplation of all Processes  
Detailed Implementation  
Reference to CAPA

Storage Temperat. = Transport Temperat.  
Qual. Trucks / Temperature Monitoring  
Risik Assessment of transportation routes



**PHARMA  
LOGISTICSPARTNER®**

Internal Documents and illustrations  
Documentation of trainings  
QM-File accessible for all employees

Batch Managem. / Expiry-Managem.  
Quarantine management  
WMS Warehouse Management System

Internal and external Audits  
Audit Report  
Management Report

Qualifield Management of the interfaces  
Supplier self assessment / Audits  
Interface control for instance inbound



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## QUALIFIED AND CERTIFIED

GDP / HACCP / BIO / AEOF studies  
Clinical Trials / Laboratory logistics



### High delivery quality - your competitive advantage

Our core competence in pharmaceutical logistics ensures the quality and competitive advantages of the entire supply chain.

We offer more performance, flexible work processes and continuous improvement of processes.

This goal is achieved by us through an integrated quality management system.

Among other things, we rely on the scanner-guided Warehouse Management System INCONSO WMS S





## COOLCHAIN SOLUTIONS FOR YOUR NEEDS



### Activ Thermo Container

- 1 - 5 Euro Pallets / 1-4 US Pallets
- -20°C / +2°C - +8°C / +15°C - +25°C
- Logger Application accompanying the shipment



### European Network LTL/FTL

- -25°C. / +2°C. bis +25°C.
- Continuous Temperature Monitoring
- Logger Application accompanying the shipment



### Passive Packages

- 3,5l p to 3.000l packing volume – Gel Packs, PCM or Dry Ice
- Validation p to 72 bis 144 hours
- Logger Application accompanying the shipment



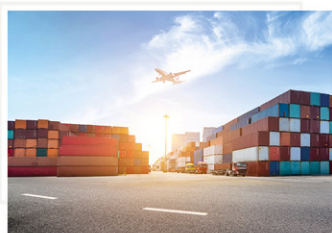
### Surveillance and monitoring

- Qualified and Validated Logger
- Elpro, Imec or Log Tag
- Transparency – GPS Monitoring System



### Nitrogen Logistics

- Temperature down to -196°C
- Nitrogen cans
- Worldwide, with long-term monitoring
- Multiple use
- Areas of application: Air / Road





## WHAT IS THE ADDED VALUE WE PROVIDE TO YOU?



Strategic  
consolidate decisions



Increase in sales,  
efficiency and profit



Reduction of cost



Minimization of risks

**Your competitive advantage: Pharmalogisticspartner**

**More Performance trough flexible, efficient work processes and  
continuous process optimization.**

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## YOUR PERSONAL CONTACTS:



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## PRODUCT CATALOGUE

Use of validated,  
qualified  
premium solutions  
active and passive  
refrigerated transport  
worldwide



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**CHILLTECH – WE OFFER EVEN MORE SECURITY ALONG THE COOL CHAIN FOR QUALITY PRODUCTS!**

**SONOCO**  
**THERMOSAFE**

**ChillTech® Regional and Global**



## Minimizing of Risks

- VIP Booster Panels
- Organic PCM Phase Change Material
- Pre-tested ISTA 7D and 7E Profile + LM CT profiles
- Climate chamber test on demand

## Increase Performance

- ChillTech Regional 48-72 hours
- ChillTech Global > 120 hours
- Global: VIP insulation = longtime transit time
- Regional: lighter = reduced costs

## Flexible Solutions

- ChillTech 5,4 / 10,3 Liter / 19,6 Liter bis 38,5 Liter
- AmbiTech 4,4 / 9,6 Liter / 17,3 Liter bis 64,9 Liter
- ISO-Pallets compatible sizes
- Reusable systems 20 times

## Unique system

**100% avoidance of direct frost**  
**No freezing of products possible!**

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TEMPERATURE SENSITIVE GOODS



**SONOCO**  
**THERMOSAFE**

Further boxes available with different sizes  
[sales@pharmalogisticspartner.com](mailto:sales@pharmalogisticspartner.com)

## PASSIVE SOLUTIONS



+2°C TO +8°C

Chilltherm CT 10.3  
Chilltherm CT 21.0  
Chilltherm CT 46.0  
Chilltherm CT 180

Internal volume cm

29 x 18 x 15  
40 x 24 x 21  
37 x 28 x 43  
60 x 43 x 70

Packaging cm

46 x 46 x 40  
68 x 50 x 42  
68 x 50 x 74  
91 x 75 x 110

Hold Time

72 hours  
96 hours  
96 hours  
72 hours



+15°C TO +25°C

AmbiTech G4  
AmbiTech G20  
AmbiTech G43

23 x 23 x 18  
35 x 28 x 21  
34 x 28 x 48

47 x 47 x 41  
58 x 53 x 56  
58 x 53 x 84

120 hours  
120 hours  
120 hours



-25°C TO -15°C / -79°C

Mediphase 4.8  
Mediphase 21.1  
Mediphase 46.8  
Freezetherm FT 54 - Dry ice  
Freezetherm FT 103 - Dry ice  
Freezetherm FT 396 - Dry ice

24 x 18 x 10  
36 x 25 x 23  
36 x 25 x 51  
36 x 30 x 16  
36 x 30 x 40  
96 x 56 x 41

46 x 30 x 33  
57 x 52 x 44  
57 x 52 x 72  
57 x 52 x 44  
57 x 58 x 72  
122 x 81 x 88

49 hours  
49 hours  
52 hours  
126 hours  
124 hours  
158 hours

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 -79°C DRY ICE

Isotainer 200 Liter  
Isotainer 400 Liter

Internal volume cm

72 x 80 x 45  
82 x 102 x 59

Hold Time

72 - 172 hours  
72 - 172 hours



DANGEROUS GOODS PACKAGING

For transports of diognistical products UN 6.2



 -196°C LIQUID NITROGEN

Liquid nitrogen + gasphase for transport at -196°C

**SONOCO**  
**THERMO SAFE**

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## QUALIFIED PREMIUM SOLUTIONS CARGO SHIPPING SYSTEMS / PALLET SHIPPER



|                         | Internal volume cm | Packaging cm    | Hold Time        |
|-------------------------|--------------------|-----------------|------------------|
| Cargo CTC1313 (1/4 PMC) | 127 x 89 x 115     | 157 x 120 x 159 | > 120 Stunden    |
| Cargo CTC506            | 89 x 69 x 82       | 120 x 100 x 129 | 96 - 120 Stunden |

**SONOCO**  
**THERMOSAFE**

Further boxes available with different sizes  
[sales@pharmalogisticspartner.com](mailto:sales@pharmalogisticspartner.com)

also available ChillTech, AmbiTech, PCM Systems

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 +2°C TO +25°C

RKN (LD3) e1

134 x 131 x 131

1 EUR / 1 US



 +2°C TO +25°C

RAP e2 (LD9) e2

246,5 x 205,5 x 126

5 EUR / 4 US



 -20°C TO +8°C

RKN (LD3) t2

141 x 135 x 130

1 EUR / 1 US



 -20°C TO +8°C

RAP (LD9) t2

253 x 206 x 130

5 EUR / 4 US



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-20°C TO +30°C

RKN (LD3) Unicooler

Internal volume cm

122x 118 x 117

PAL-Number

1 EUR / 1 US



-20°C TO +30°C

RAP (LD9) Unicooler

275 x 202 x 137

5 EUR / 4 US



+2°C TO +30°C

RAP (LD9) Opticooler

250 x 206 x 134

5 EUR / 4 US



+4°C TO +25°C

C-Safe RKN

121,9 x 127,3 x 127,8

1 EUR / 1 US





## DUPONT TYVEK - INCREASED PROTECTION APPLICATION AREAS AIR FREIGHT + INHOUSE LOGISTICS

+15°C TO +25°C

Dupont Tyvek Cargo Covers – advanced for temperature protection for pharmaceuticals, perishables and heat-sensitive products



More performance in the term!  
Tyvek® Xtreme™ W50 Cover für +15/+25°C.



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## WE SUPPLY YOU WITH THE RIGHT COOLCHAIN SOLUTION



## EUROPEAN ACTIVE REFRIGERATED TRANSPORT FTL AND LTL

- -25°C bis +25°C
- Thermo Vans bis zu 1 / 8 pallets
- Thermo Trailer 33 pallets
- Double deck Thermo Trucks 66 pallets
- Multi-Chamber Systems
- Thermo Express Logistics in Europe
- Temperature special trips
- Temperature Monitoring
- Network Logistics +2°C - +8°C / +15°C - +25°C from 1 Euro palet



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## OUR SERVICE

Cool Chain Solutions  
Supply Chain Management  
Thermopacking Systems  
GDP-Compliance



WE KEEP YOUR  
PRODUCTS COOL

