

Dangerous Goods Logistics - Worldwide For All Classes

VISIT OUR ONLINE SHOP!

ME Logistic Services GmbH & Co. KG - General



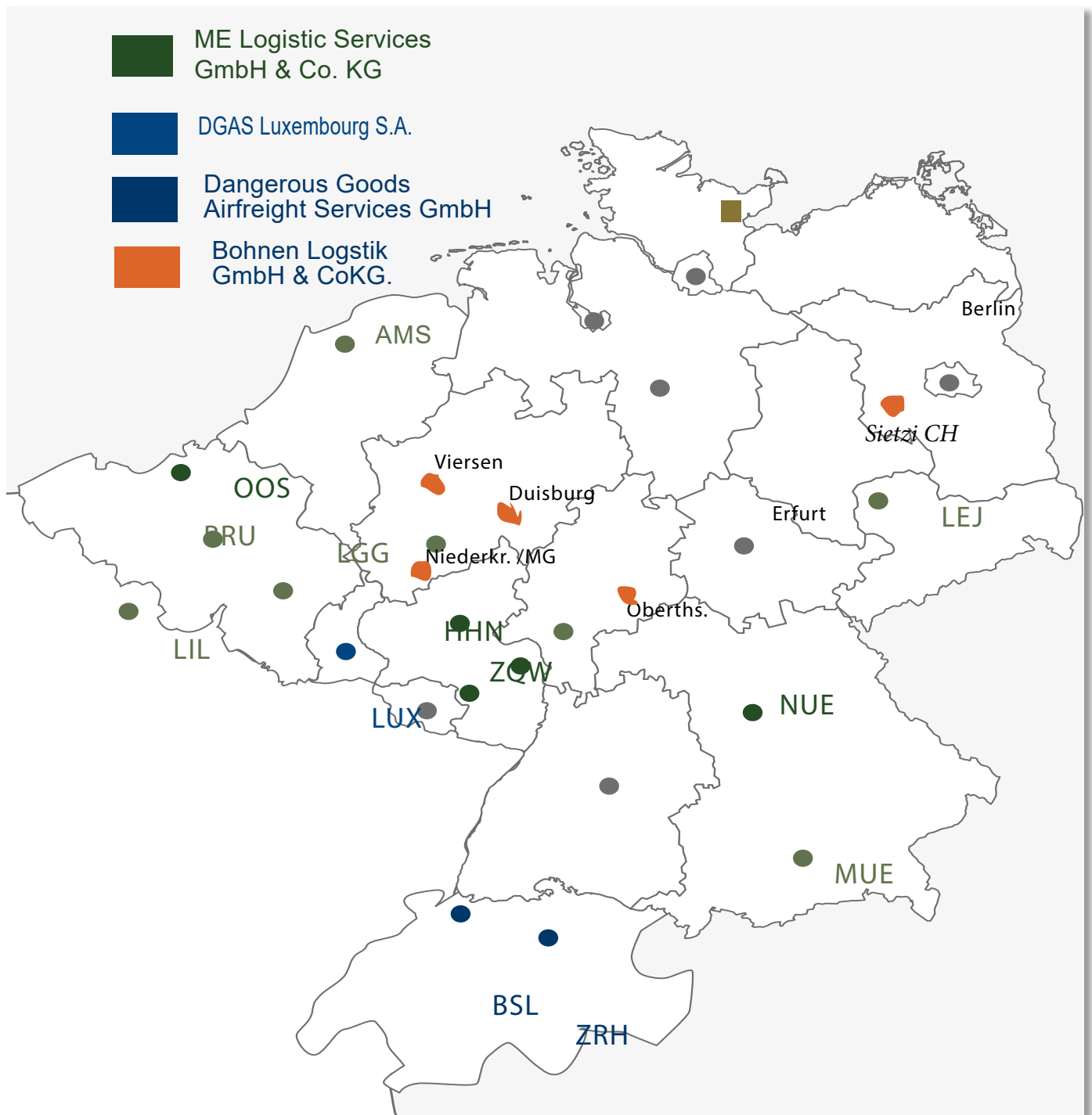
ME Logistic Services GmbH & Co. KG
Location Hahn -Airport

A member of:

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>> Locations



Centers:

Frankfurt Hahn (HHN)
 Sembach DG - Lager (SEX)
 Stein / Nürnberg (NUE)
 Luxembourg (LUX)
 Zürich (ZRH)
 Duisburg
 Obertshausen
 Niederkrüchten

Locations: with mobile Hazardous Goods Management

Frankfurt (FRA)	Lille (LIL)
Leipzig (LEJ)	Basel (BSL)
Amsterdam (AMS)	Liège (LGG)
Brüssel (BRU)	Zweibrücken (ZQW)
Ostende / Belgien (OST)	München (MUC)
Johannesburg (JNB)	Miami (MIA)

>> Locations

>> Dangerous Goods Logistics - Worldwide for all Classes

Qualification. Safety. Trust.

These guiding principles are considered as our company strategy and form the focus of our thinking and acting in regards to customer orientation and cooperation.

In order to deliver safety-relevant solutions on a qualified trust base our motivated employees are all endeavoured to live and put these values into action every day.

The understanding of the mutual needs is the most integral component of our business activity which enables us to create strategical added value for both partners.

This is what we offer you today and in the future.

>> Secure Services from a Single Source

Sichere Leistungen aus einer Hand

Me Logistic Services

1. Dangerous goods consulting
2. Dangerous goods logistics
3. Lithium logistics
4. Waste & Recycling
5. GDP storage / transfer

>> Dangerous Goods Consulting

1. Dangerous Goods Consulting

- Pre-check of DG e.g. air freight shipments
- Employee instruction for hazardous goods
- To commission EU Hazardous Substances Officer for all modes of transport
- To commission Security Advisor
- Consulting and support of DG document management
- Maintenance and automatic update of hazardous materials via Online Registration System
- Conceptual consulting and implementation of secure transport chain for DG
- Acceptance of official documentation obligation for the customer and proactive information in case of legal changes

>> Dangerous Goods Logistik

2. Dangerous Goods Logistik

- 1) Storage, picking, shipping completion and transport including documentation for dangerous goods
- 2) Handling and monitoring of door-to-door transport worldwide
(road, sea, air)
- 3) Machine mixing of hazardous substances (solids, liquids)
- 4) Backing of powder materials and filling tank containers in IBC`s, drums or jerricans
- 5) Creation of large wooden packaging according to IPPC / IPS - up to 40 t with certificate
- 6) Value Added Services (e.g., pricing, new / outer packaging etc.)
- 7) Temperature-controlled transports via refrigerated vehicles
with a qualified temperature safety device according

3. Lithium Logistic

- 1) Worldwide transport management for series or non-series-ready modules/cells (prototypes)
- 2) Processing of documentation and authorization management over the entire transport route (door-to-door)
- 3) Packing of critical and non-critical lithium batteries on site
- 4) Possibility of recycling used lithium batteries or modules over national and International network
- 5) Use of approved lithium battery transport boxes for all traffic carriers

4. Waste & Recycling

- 1) Disposal of damaged goods in the hazardous goods area
with own vehicles
- 2) Disposal of lithium batteries from Europe for recycling
in Germany
- 3) Disposal of infectious waste class 6.2.
- 4) Waste monitoring, detection procedures and notification
procedures
- 5) Assistance in the direct implementation of international waste
transports by providing suitable and certified
transport units
- 6) Issuing and sending of the disposal certificates

>> Company Profile / Certifications



Me Logistic Services GmbH & Co.KG

With its longstanding experience our company has specialized in certain areas of the logistic services and would like to present itself and its business activity on the following pages. In addition to our logistical services we can also provide our customers with the professional knowledge of certified staff both in the customs and dispatch sector. We offer you a wide range of services, just as consulting as a whole from the production or storage through logistics to the outsourcing of activities.

- > Logistic services, consulting
- > large packaging
- > waste disposal and disposal transports
- > online DG registration
- > trainings, instructions, packaging seminars both internal and external
- > certifications / business approvals
- > setup of a global lithium battery return system
- > IATA – PK 6 accreditation incl. radioactive
- > IATA – hazardous materials officer
- > GGVSEB / ADR / IMDG – hazardous materials officer
- > recognition of regulated agent by German FAA – register no. 03/12/239
- > GDP certification of refrigerated and pharmaceutical transports in self-service
- > Certification for waste management facility in accordance with § 54 KrWG
- > Approval procedures of explosive substances

Geschäftsführer

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Buchhaltung

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Mail: sfrenzel@me-logistic-services.com

Standort Frankfurt Hahn

ME Logistic Services GmbH & Co. KG

24 - Hotline

Tel: +49 (0) 65 43 - 5 05 67 0

DGAS Luxembourg S.A

24 - Hotline

Tel: +352 - 2634082

Standort Nürnberg

Gefahrgut - Abwicklung Nürnberg

ME Logistic Services GmbH & Co. KG

Gewerbering 3

90547 Stein - Nürnberg

Tel: + 49 (0) 911 - 51 77 00 40

Fax: +49 (0) 32 21 - 13 70 70 5

Tel: + 49 (0) 1743346733

Mail: nuernberg@me-logistic-services.com

Standort Leipzig

Gefahrgut - Abwicklung am Flughafen Leipzig

Air Cargo Hub Leipzig

04435 Schkeuditz

Tel.: +49 (0) 65 43 - 5 05 67 0

Mail: leipzig@me-logistic-services.com

Standort Luxembourg

Gefahrgut - Abwicklung am Flughafen

Luxembourg DGAS Luxembourg S.A.

Dangerous Goods Airfreight Services)

Cargo Center Est

L – 1360 Luxembourg

info@dgas-luxembourg.com

Mentges, Thorsten

Vorstand

Mail: tmentges@dgas-luxembourg.com

Standort Zürich-Schweiz

Gefahrgut - Abwicklung am Flughafen Zürich

(Dangerous Goods Airfreight Services)

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CH – 8058 Zürich-Airport

Tel. +41 43 816 59 20

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Rocco Schuldt

OPS DGAS – HUB Manager

Mail: rschuldt@dgas-zuerich.com

Raul Mitter

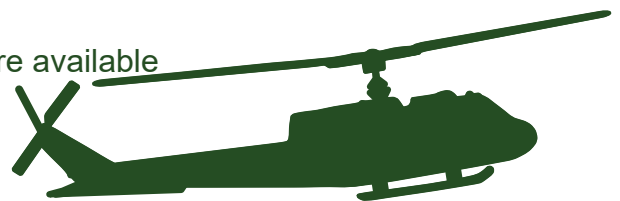
Geschäftsführer

Mail: info@dgas-zuerich.com

>> Performance Spectrum - Everything we offer



- > Availability 365 days, 24 hours via hotline +49 (0) 6543/505670 or via Chemtel emergency system
- > Transportation of goods at 2-8°C or 2-25°C europwide with own car fleet
- > Transport via air charter / aircraft or helicopter (laboratory samples, OEM parts)
- > Air charter flights / on board courier (OBC) incl. pre- and post-handling based on many year of experience with our receiving stations
- > Time-effective transportation of shipments as additional cost and time intensive security checks will be eliminated
- > No subcontractors involved in pharmaceutical sector in order to provide the highest quality service
- > Quality and product liability
- > Professional IT-solutions: transport documents are available online on the DG registration portal



>> Performance Spectrum

>> Safety - Always and Everywhere



- > For safer handling of airfreight-shipments we only deploy licensed, quality and security checked staff
- > Fast and secure digital workflow: quick and safe overview of customers documentation is available to our specially entrusted employees
- > Safe storage of the consignments in our warehouse and protection against unauthorized access by means of non-stop video surveillance and completely closed industrial site both in Büchenbeuren and Sembach / Germany
- > in addition to lockable cargo holds and straps our vehicles will be sealed with certified company seals
- > Each attempt to access the sealed good is immediately visible.
- > Seals with their unique identity are applicable for all airfreight and special transports
- > We provide high protection of the transport goods, as all deviation from original routing is recorded and reported immediately by email to our dispatch
- > Information with regards to GPS-coordinates, transport vehicle resp.driver's identity, qualification and availability can be accessed via our customer portal by means of personal driver keys



>> Dangerous Goods Services



- > Pre - Check von Gefahrgut – Luftfrachtsendungen
- > Neu- und Umverpackungen, Sniffer - / Drogenkontrollen
- > Bevorratung geprüfter Verpackungen
- > Mitarbeiterunterweisungen für den Bereich Gefahrgut
- > Bestellung Gefahrgutbeauftragter für alle Verkehrsträger
- > Bestellung eines Security Advisors (2005), Reg B - Zulassung
- > Bevorratung von Bergeverpackungen mit T - Zulassung
- > Consulting und Hilfestellung beim DGR – Dokumentenmanagement

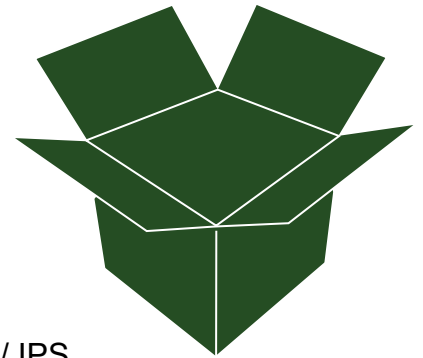


>> Dangerous Goods Services

>> Services



- > Picking
- > Processing of shipping documentation incl. written instructions
- > Price labelling
- > Bar code labelling with online batch tracking
- > Ex-protected overpacks and refilling
- > Just-in-time production supply
- > Production of large wooden packaging in accordance with IPPC / IPS up to 40T with certification



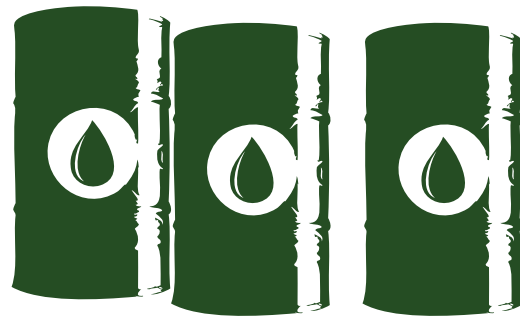
>> Services

>> Dangerous Goods – Refilling and Storage / Sembach

The safe storage and refilling of dangerous goods will be conducted by well trained staff with professional equipment at Sembach station.

We offer you:

- Dangerous goods storage, filling, refilling
- Dumping of hazardous powder materials
- Shelled storage of dangerous goods
- Heat chamber for heating up DG (up to 70°C)
- Commissioning of hazardous materials
- Container stowage with qualified staff according to CTU.MSC.1/circ. 1497 of 16 December 2014
- Mixer for solid materials (also DG)
- Mixing unit for liquids (e.g. floor and household detergents, organic fertilizers)
- Filling tank containers in IBCs, drums or canisters
- Mechanical mixing of dangerous goods



>> Dangerous Goods – Refilling and Storage

>> Dangerous Goods – Refilling and Storage / Sembach



Assignment and Refillings for:

- > Food industry (breweries, dairies, agriculture, ice cream production, butchery cleaning, flavor bottlings)
 - > Metal industry (automotive, electroplating industry, service and installation industry)
- Products for drinking water treatment as well as cooling water for the cooling water sector will also be produced and bottled.



>> Transfer of Liquids into Small Containers (DG as well)

A safe handling and filling of dangerous goods is carried out by our trained personnel with a professional small batch filling plant at our location in Büchenbeuren.

With our filling plant we are able to fill from various IBCs, drums or canisters into small bottles from 0.25 liters to 5 liters, up to a material density of 1.45 g / cm³ at 20 ° C.

Furthermore, screw fittings, labeling and picking are also part of our offered services.

Refilling directly from a tank vehicle into IBC`s or drums can be implemented smoothly via Me Logistic.



>> Transfer of Liquids into Small Containers

>> Lithium – Battery – Logistic

Automotive Li-ion batteries



>> Lithium - Battery - Logistic

The application of lithium batteries / lithium power packs gain more and more in importance in order to get access environment-friendly to stored energy. It is a pleasure for us to support you with the worldwide transport management incl. suitable document compilation resp. approval management both for national and international transportation of series products or prototypes if required.

At this point we would like to draw your attention to the simple and solely for all transport carriers approved lithium-battery-transport box (also available with integrated fire extinguishing equipment on request):

Discover the lithium-packaging

We offer you the recycling of discarded lithium batteries or modules in our national and international network.

The establishment of a worldwide lithium battery return system is since January 2017 in progress and will be accessible shortly for customers.

We are pleased to handle your request at any time.



>> Lithium - Battery - Logistic

>> Lithium Battery Extinguishing System

Standard equipment

- > Load securing system
- > Ventilation diagonally offset, acc. BG
- > Crane eyes
- > Grounding
- > Steel construction, high stability
- > Galvanized
- > Collection tray in accordance with STAWA
- > Floor made of light grid
- > Marking device
- > Stackable
- > Cover with gas pressure spring
- > Lockability



OPTIONAL

Additional equipment (optional)

- > Fire extinguishing system UN tested as UN 50A / X / 0514 / D / BAM14513
- > RFID management
- > Intrusion detection
- > Loading management
- > Leakage monitoring

Airfreight approval UN 4A

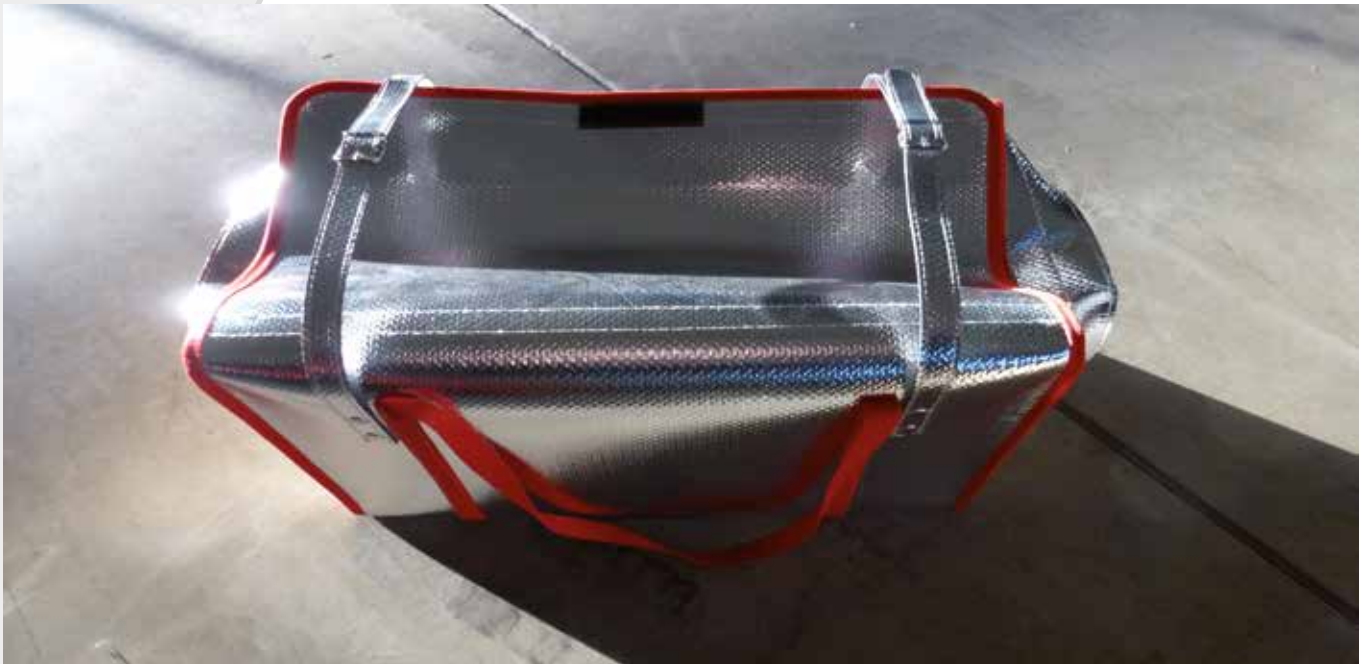
MASS about 190 -210 KG

DIMENSIONS

Typ	L	B	H
XL	1200	1200	1500
L	1200	800	1250
M	1200	800	990
S	900	800	990
XIs	2000	1400	990
XI+	3000	2000	657



>> Lithium Battery Extinguishing System



The Inner-box and its advantages

The Lithium-In-Box provides solution to a wide range of problems arising from transport goods or the storage of dangerous substances. Used as „Overpack/Overpack“ packages containing hazardous materials can be transported with consideration of the relevant rules. (according to ADR, RID, IMDG Code, GGVSEB, TRGS 510, as well as use in the context of the craftsman regulation gem. 1.1.3.1c ADR).

- > The new and innovative load securing system provides a highly effective securing of the transported packages
- > Extinguishing systems: gel / foam / CO2
- > As additional option, the box can be equipped with 2 different extinguishing systems



>> Lithium Battery Extinguishing System

>> Lithium Battery Extinguishing System

Muster

FESTLEGUNG Nr. D/BAM/GGVSEB (ADR)/2.2-129/15
(Specification No. D/BAM/GGVSEB (ADR)/2.2-129/15)

Zur Beförderung von beschädigten oder defekten Lithium-Ionen-Zellen
und Lithium-Ionen-Batterien der UN-Nummer 3480 auf der Straße
(for the carriage of damaged or defective lithium-ion-cells
and lithium-ion-batteries of UN-No. 3480 by road)

BAM Bundesanstalt für Materialforschung und -prüfung, Unter den Eichen 87, D-12205 Berlin
(BAM Federal Institute for Materials Research and Testing, Unter den Eichen 87, D-12205 Berlin)



>> Waste and Disposal

1. Name und Anschrift der Zertifizierungsorganisation 1.1 Name: GZQ Gesellschaft zur Zertifizierung von Qualitäts- und Umweltmanagementsystemen mbH 1.2 Straße: Sulzbachtalstraße 131 1.3 Staat: Deutschland Bundesland: Saarland Postleitzahl: 66125 Ort: Saarbrücken		2. 
3. Angaben zum Zertifikat 3.1 Nummer des Zertifikats (durch die Zertifizierungsorganisation frei zu vergeben): 03/12/239 3.2 Erstmalige Zertifizierung <input type="checkbox"/> oder Folgezertifizierung <input checked="" type="checkbox"/> 3.3 Vorgangsnummer (soweit von der Behörde erteilt): ZZKT001000523001 3.4 Das Zertifikat beinhaltet 1 Anlage(n). 3.5 <input type="checkbox"/> Das Zertifikat wird nur für einen bestimmten Betriebsteil erteilt (siehe Anlage(n) ____) 3.6 <input type="checkbox"/> Das Zertifikat wird nur für bestimmte Abfallarten, Tätigkeiten oder Standorte erteilt (siehe Anlage(n) ____). 3.7. Das Zertifikat ist gültig bis zum 06.11.2019		
4. Name und Anschrift des Entsorgungsfachbetriebes (Hauptsitz): 4.1 Name: ME Logistic Services GmbH & Co. KG 4.2 Straße: Im Schiffels 7 a 4.3 Staat: Deutschland Bundesland: Rheinland-Pfalz Postleitzahl: D-55491 Ort: Büchenbeuren 4.4 Eintrag in das Handels-, Vereins- oder Genossenschaftsregister (sofern ein Eintrag erfolgt ist): Registernummer (HRA, HRB etc.): HRA 20839 Registergericht: AG Bad Kreuznach		
5. Der Betrieb ist berechtigt, im Hinblick auf die in der Anlage zu diesem Zertifikat genannten Standorte, Tätigkeiten und Abfallarten das Überwachungszeichen der obengenannten technischen Überwachungsorganisation oder Entsorgungsgemeinschaft und die Bezeichnung <p style="text-align: center;">„Entsorgungsfachbetrieb“</p> gemäß § 56 des Kreislaufwirtschaftsgesetzes in Verbindung mit der Entsorgungsfachbetriebsverordnung zu führen.		
6. Prüfungsdatum: 07.05.2018	7. Sachverständiger, der die Überprüfung durchgeführt hat: 7.1 Name: Weber Vorname: Helko 7.2 Unterschrift (nur für die Ausstellung in Papierform): 	
8. Ausstellungsdatum: 27.08.2018	9. Leiter/Leiterin der Zertifizierungsorganisation: 9.1 Name: Scherer Vorname: Thomas 9.2 Unterschrift (nur für die Ausstellung in Papierform): 	

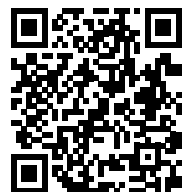
>> Waste and Disposal

>> Large Packaging



- > Pre-check of dangerous goods - Air Cargo Dispatches
- > New and external packaging, sniffer / drug control
- > Storage of inspected packaging materials

You can order with the bulk of your hazardous goods packaging and are many other items on the subject of shipping, dangerous goods, load safety and (cooling) logistics in our online shop.



>> Too Big - does not Exist

>> Transport VVehicle Fleet



- > All services are operated all year round in 24-hour shifts
- > Pick-up and delivery service from the customer to the airport Hahn and vice versa
- > Document compilation of the freight documentation with regard to AWB's import and export documents
- > Picking and handling operations including palletization
- > Complete import processing
- > Inspection of all air cargo shipments including hazardous goods
- > Re-packaging and over packing of packages with compilation of freight documents in accordance with legal requirements



>> Road / Rail / Air

>> Training / Education for in-House Companies

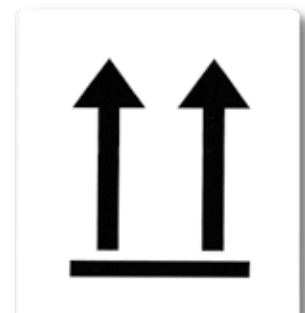
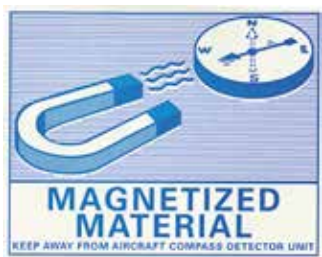


Training / education for in-house companies

In order to ensure consistently high quality, training, continuing education and further training have high priority.

For this, we are authorized by the German FAA.

We provide courses not only for our own employees but also for external companies.



>> Training for Companies & Internally

Dangrous Goods - Declarations - Shippers Documents

>by Aircraft (Shippers - Declarations)

> By Ship (Imo Declarations

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

No Waybill No. **704 223 5678**
1 of 1 Pages

Shipper:
**MASTERS AG
STADTALLEE 18
CH - 8001 ZÜRICH
SWITZERLAND**

Consignee:
**ABC Co. Ltd.
No. 1234 Canal Road
CN - 20001 Shanghai
CHINA**

Use completed and signed section of this Declaration under the conditions of the carrier.

TRANSPORT DETAILS

This document is written in the language prescribed by the carrier: **ZURICH**

PASSENGER AND LARBO AIRCRAFT

Appoint of Destination: **Shanghai**

NATURE AND QUANTITY OF DANGEROUS

Transportation Mode: **Maritime**

UN 1203 (Hazardous)
UN 1170 (Hazardous)
UN 3077 (Environmentally hazardous substances, solid, n.o.s.)
UN 3077 (Environmentally hazardous substances, liquid, n.o.s.)
UN 3077 (Environmentally hazardous substances, solid, n.o.s.)

EMERGENCY CALLING CARD

I hereby declare that the contents of this declaration are true and correct, and that the goods are properly packaged, labeled, and marked in accordance with the applicable regulations.

MULTI-TREASURY DANGEROUS GOODS FORM

This form may be used in a declaration of dangerous goods in accordance with the provisions of the International Maritime Dangerous Goods Code (IMDG Code) and the International Maritime Dangerous Goods (IMDG) Code.

1. Proper Shipping Name:
COMBUSTIBLE LIQUID

2. Hazard Class or Division:
Flammable Liquid, Class 3

3. Packing Group:
III

4. Container Type and Size:
20' DRY TANK

5. Quantity:
1000 LITERS

6. Net Weight:
1000 KG

7. Gross Weight:
1000 KG

8. Volume:
1000 LITERS

9. Number of Packages:
1

10. Description of Packages:
20' DRY TANK

11. Date of Declaration:
01.01.2023

12. Signature of Shipper:
[Signature]

13. Signature of Consignee:
[Signature]

14. Signature of Carrier:
[Signature]

15. Signature of Receiver:
[Signature]

16. Signature of Shipper's Representative:
[Signature]

17. Signature of Consignee's Representative:
[Signature]

18. Signature of Carrier's Representative:
[Signature]

19. Signature of Receiver's Representative:
[Signature]

20. Signature of Shipper's Representative:
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152. Signature of Shipper's Representative:
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> Emergency Hotline Certificate

> Emergency Hotline Certificate

ChemTel
RNC.

1308 North Florida Avenue
Tampa, FL 33602 USA
(813) 248-0573
www.chemtelinc.com

ME Logistic Services ACTL OOH# (Contract Number MSB000602S).

Welcome to ChemTel's Emergency Response Service (ERS/MOC) Communication Network. This letter confirms your firm is an authorized user of our 24-hour emergency phone numbers. We urge you clearly identify the number as well as emergency phone on Shipping Manifest / BOL. Dangerous Goods Declarations and hazardous MSDS's / SDS or Waste Stream / Waste Profile is essential inappropriate calls. This letter however, does not authorize you to place our number on any product labels unless you sign a separate contract for Puerto Rico.

Shipment(s) of hazardous materials within the United States, Canada, Puerto Rico, and the U.S. Virgin Islands should reference ChemTel's toll free phone number - 1-800-255-3834 as well as the contract number listed above. Section 1972.50(a) of the Federal Pipeline Regulations states that information "must be entered on the shipping paper immediately before, after shipment, or before the emergency response telephone number". Shipment(s) must reference its Shipments and taking specific care number of the U.S. Canada, Puerto Rico and the U.S. Virgin Islands will reference call to our toll-free number - 1-811-248-0585. Collect calls are accepted. Shipment(s) originating in the United States and going overseas must also use both numbers.

U.S. and foreign companies must also use both numbers. The caller has to identify the language the caller speaks. If they are not English speaking, if the caller does not speak English, after attempting the call, ChemTel will conference call to our on-line translation service for live interpretation.

Calls originating on board vessels should follow normal ship-to-shore protocols. Be sure to use the international access number and alert the ship-to-shore operator who are involved in an emergency incident.

If our primary service is to provide reliable & accurate information about hazardous materials, it is essential our records be kept current by the Member Client of ChemTel. It is imperative that you inform ChemTel if there is a change to ANY of the following:

- Company Name (X) and address (X) or XXX or DBA names used in your company
- Company phone (X), fax (X) numbers or other contact information
- Company personnel (E-mail contact information and web site address)
- Company personnel (E-mail contact information and their off-phone numbers from, pager, beepers)
- Individuals designated as company contacts representing hazardous regulated materials
- MSDS/waste profile and waste stream information representing hazardous regulated materials

You may update company contact information at any time by accessing the Subscriber Information Form at www.chemtelinc.com. This form may be submitted on the website or emailed to jld@chemtelinc.com. You will receive an email confirmation that your updated form has been received.

You may send electronic MSDS' to linfo@chemtelinc.com, or mail paper versions to ChemTel. There will be a charge to insert paper MSDS' to electronic format for inclusion in the ChemTel database. For large data transmissions, please contact a customer service representative to obtain access to a secure FTP file transfer protocol site.

In closing, please take notice that your contract agreement automatically renews each year on the anniversary date unless we give you written notice via certified mail 60 days prior to the anniversary date of your intent to cancel services. We encourage the candidate you have placed in ChemTel and look forward to serving the regulatory compliance needs of your firm for many years.

Yours in safety,
Chemtel, Inc.

Certificate of Compliance

Issue Date: January 1, 2019

Valid for one year from issue date.

presented to

ME Logistic Services GmbH & Co. KG

Contract Number: MIS2448667

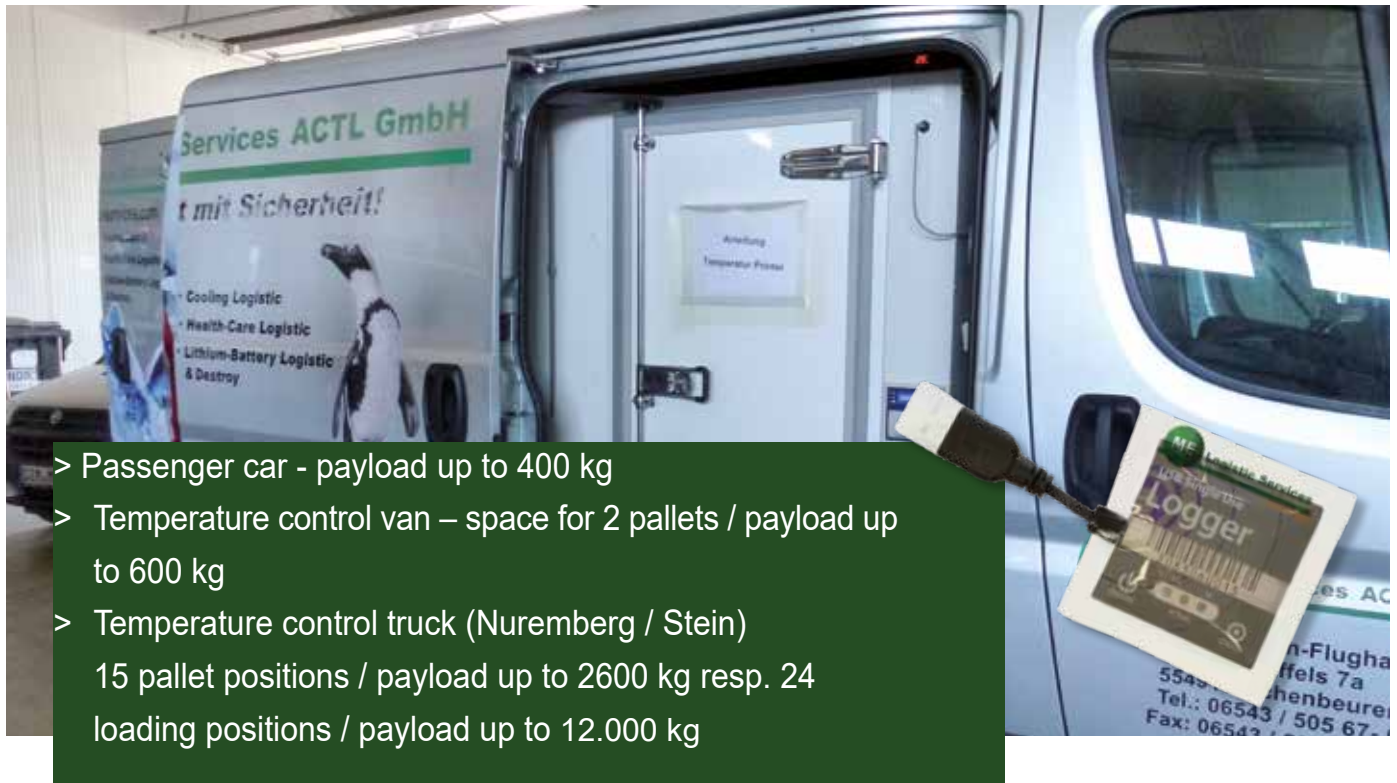
- ME Logistic Services GmbH & Co. KG provides its employees **24-hour access to toll free phone number for the provision of Safety Data Sheets** and for Emergency Response information regarding hazardous materials in the workplace in compliance with OSHA Right to Know regulations.
- All ME Logistic Services GmbH & Co. KG employees have access to the **ChemTel Chemical Expert Assistance Hotline** by dialing **1-800-255-3924** or **+1-813-248-0585** for callers outside US territories and Canada.
- ChemTel 365/24/7 Call Center provides compliance with United States Department of Transportation (DOT), IATA and IMDG Hazardous Materials transportation regulations pertaining to a 24hr Emergency Response phone number.

ChemTel INC.

Customized Compliance Solutions

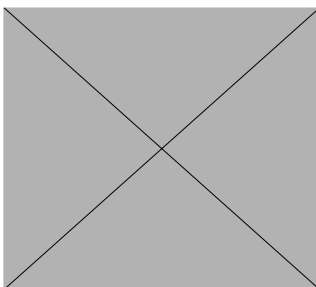
>> Shippers Documents

>> Refrigerated Transport Monitoring -(Hazardous) Goods with GPS and temperature controlling



- > Passenger car - payload up to 400 kg
- > Temperature control van – space for 2 pallets / payload up to 600 kg
- > Temperature control truck (Nuremberg / Stein)
 - 15 pallet positions / payload up to 2600 kg resp. 24 loading positions / payload up to 12.000 kg

- > Order processing resp. monitoring according to GDP requirements Europe-wide 24/7
- > emperature-controlled transports
- > Temperature control vehicles equipped with qualified temperature sensors according to GDP guidelines
- > Currently there are 2 vehicles available on 2,8 tons gross version with a loading box
- > Temperature range of the cooling box is between -20°C to 25°C
- > In addition we offer our customers mobile active cooling boxes which can be flexible combined with other vehicles. Dimensions: 2,00 x 1,40 x 1,40 m. They are suitable for diagnostic samples and other pharmaceutical, industrial products.
- > Calibrated temperature sensors, permanent documentation of temperature by Datacold 500
- > GPS-tracking including temperature data transmission, door opening times
- > Maintaining high pharmaceutical hygienic standards
- > ATP FRC certificate
- > BTM anesthetic transports with ADR backup plan acc. Chapter 1.10
- > IQ-OQ qualification for temperature ranges between 2°C – 8°C and 15°C – 25°C
- > PQ qualification (winter settings) for temperature ranges between 2°C – 8°C and 15°C – 25°C



- > Dimensions and payload
- > Dimensions
 - > 2,00 x 1,40 x 1,40 m
- > Maximum payload
 - > 600 kg
- > Up to 2 Euro Pallets



>> Refrigerated Transport Monitoring -(Hazardous) Goods with GPS and temperature controlling

>> Classification of Magnetized Products in Airfreight



The precondition of transporting magnetized products is the measurement by a state-approved laboratory according to worldwide the IATA guidelines UN2807.

All measurements including multilingual documentation resp. approval protocols will be processed by an accredited partner laboratory in London / England.

Requirements:

- Dimensions (Length – L / Width – B / Height – H) and weight indication
- Picture of the object

>> Classification of Magnetized Products in Airfreight

>> Classification of Magnetized Products in Airfreight

Packing instructions UN2807

This instruction applies to UN2807 Magnetized materials and objects with passenger aircraft and only cargo aircraft. Magnetic substances and objects with field strength which cause a compass deviation of more than 2 degrees at a distance of 2,1m but not more than 2 degrees at a distance of 4,6m (equivalent with 0,418 A/m², 1m or 0,000525 Gauss measured at a distance of 4,6m) are not subject to any other requirements of these regulations if they are carried as cargo with the exemption of following:

- > The consignor must make advance arrangements with the air carrier in order to announce magnetized substances and goods
- > The package shall be marked with the “magnetized materials” handling label
- The air carrier shall load the packaged magnetized materials resp. objects according to the requirements of 9.3.9 and
- > Shall fulfill the requirements of 9.6 with regards to reporting incidents

Magnetic substances and objects with field strength which cause a compass deviation of more than 2 degrees at a distance of 4,6m can only be carried with prior approval of the designated national authority of the departure state resp. of the originating country of the air carrier.



Recycling Waste and Recovery



ME Logistic Services GmbH & Co.KG
Location Hahn - Airport

A member of:



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S.34	Rechtliche Grundlagen
S.35	Grundsätzliche Fragen an den Abfallerzeuger

Abfalltransport national:

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S.37	Transportgenehmigung
S.38	Innerstaatlicher Abfalltransport
S.39	Einstufung des Abfalls
S.40	Nachweisverfahren - Vorabkontrolle (§§3 ff NachwV)
S.41	Abfallüberwachung / Nachweisverfahren
S.42	Innerstaatlicher Abfalltransport

Abfalltransport international:

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S.44	Das Notifizierungsverfahren
S.45	Der Abfallbegriff der VVA
S.46	Abfälle zur Beseitigung / Verwertung
S.47	Genaue Beschreibung / schnelle Entsorgung
S.48	Notwendige Angaben
S.49	Folge der Einstufung: Das Notifizierungsverfahren
S.50	Notifizierungsverfahren beim Import
S.51	Genehmigungsverfahren
S.52	Verfahren bei Genehmigung
S.53+54	Entsorgung der Abfallarten
S.55	Ablauf der Entsorgung
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S.57+58	EFB Zertifikat gem. §52 Abs. 1 KrWG
S.59	SAM Zertifikat
S.60	Behördliche Nachweise im europäischen Ausland

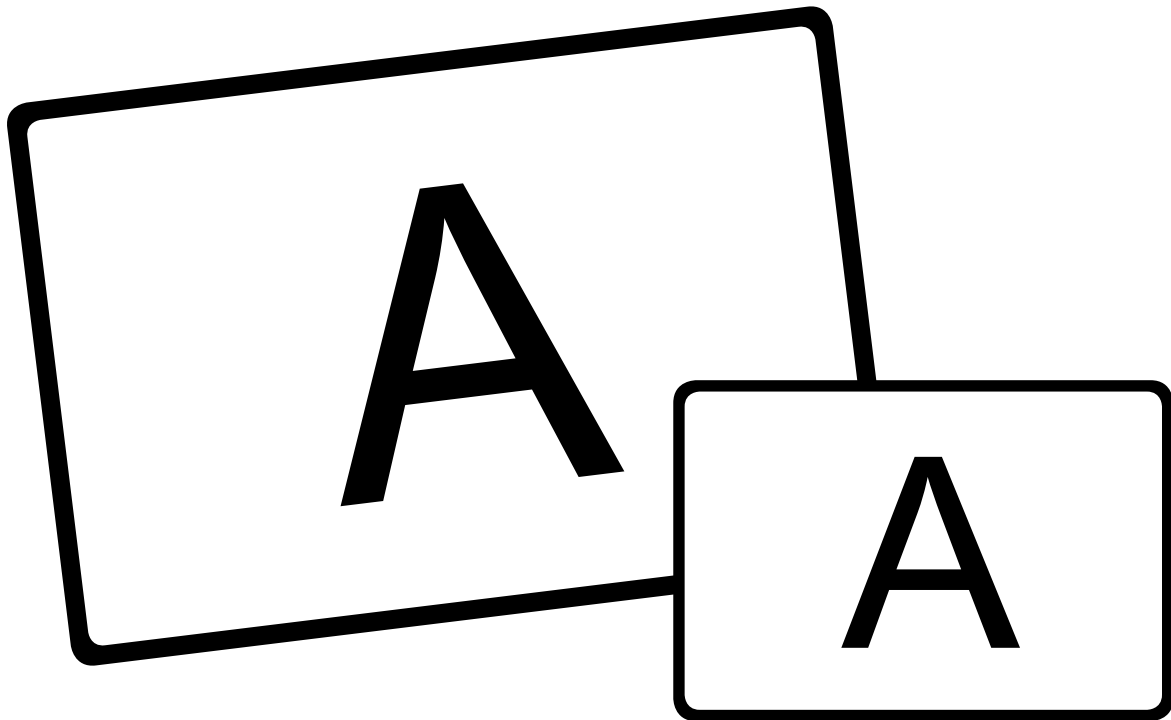


- > Law on Life-Cycle Management
- > Federal Immission Control Act
- > Verification Directive
- > Waste Classification Ordinance
- > Transport Licences Regulation / since 01.06.2012 Waste Shipment Regulation
- > Waste Management Facility Directive

Our possibilities

- > Disposal of damaged dangerous goods by own GPS-monitored cooling vehicle
- > Disposal of lithium batteries from Europe to the disposal facility in Germany
- > Disposal of infectious waste

All waste processing and recycling will be carried out directly by the company with own, temperature-regulated and GPS monitored transport vehicles.



Transport authorization §54 KrWG

Transport authorization is not required for:

- > The collection or carriage of excavation, road surface materials or building debris as long as the material is not contaminated.
- > The collection or transport of waste in small quantities within the scope of communal business
Transport authorization
Article 1 of the Waste Shipment Regulation
- > Transport license is required for carriage of hazardous waste materials for recycling
- > No transport authorization is necessary for recycling non-hazardous waste materials

>> Legal Requirements



Who provides me as a waste producer with an accurate waste declaration – analysis?

Which costs can be expected?

What is required by law?

Once all AVV/EWC – codes have been provided and all waste materials packaged professionally, or company can provide you with suitable transport equipment with respective conditions, approval according to §54-51 KrWG resp. Article 1 of the Waste Shipment Regulation (AbfVerbr.V) and last but not least expert know-how.

- > §54 & Article 1 of the Waste Shipment Regulation
- > §54 Authorization for intermediary activities and other cases
- > §56 (3) sentence 2 Waiver of the transport license and intermediary activities (if the company is operating as a waste management facility according to §56 (2) KrWG).



>> Waste Transport National

>> Basic Questions to the Waste Producer

Which waste should be transported?

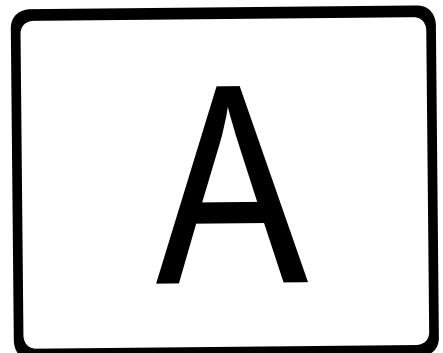
- a) AVV or EWC code
- b) Hazardous or non-hazardous waste
 - > In which quantities shall be transported?
 - > How shall the waste be packaged?
 - > Is a (waste) declaration analysis available in order to determine the accurate disposal costs and methods?
 - > s there any tender obligation?
 - > Is the current safety data sheet available?
 - > Does the waste producer have a formally appointed, properly trained dangerous goods or waste management officer for all transport modes according to GGVSEB / ADR / RID / IMDG / IATA (if necessary)?

Is the current reporting system correctly managed and supervised towards control bodies?

- a) Dangerous goods register
- b) Waste records
- c) Hazardous material annual report
- d) Waste disposal records
- e) Recording duties according to §49 hrWG

If the carrier is in possess of necessary permits resp. appropriate staff and technical equipment (permission in accordance with Road Freight Transport Law, EfB certificate with the relevant waste codes, alternate transport permits)

Is the disposal facility in possess of official authorization (e.g. EfB certification in order to treat, recycle or dispose waste)



>> Domestic Waste Transport

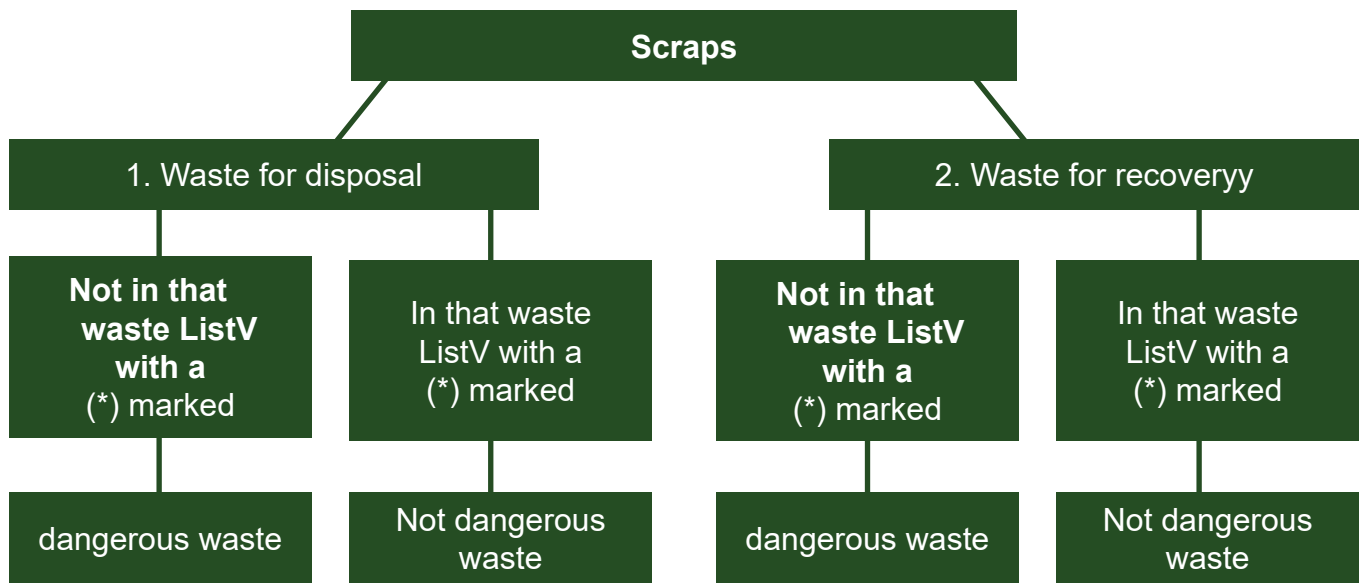


Based on the classification of waste and hazardous goods law following transports can be arranged:

- > Refrigerated transport
- > Tipper vehicle (also covered version)
- > Tank trucks
- > Rail
- > Truck
- > Inland waterway
- > Sea container (CSC-tested)

>> Waste Transport National

>> Classification of the Waste



- 1) Waste for disposal
 - > Preparation
 - > Überlassen
 - > Collection
 - > Transportation
 - > Treatment (thermal)
 - > Storage / short term storage (energy production as secondary purpose)

Need for monitoring

- > In EWC / AVV marked with (*) – hazardous waste
- > No EWC / AVV but tagged (*) – not hazardous waste

2) Waste for recycling

- > Material recycling for the production of secondary raw materials
- > Material recycling by using the substantial properties
- > Energetic recovery by use as substitute fuel

Need for monitoring

- In EWC / AVV tagged with (*) – hazardous waste
- In EWC / AVV without (*) – not hazardous waste

>> Waste Monitoring / Detection Methods

Hazardous waste:

obligation of proof and / or register obligation (§48 KrWG) by law

- > Non-hazardous or hazardous waste exempted from the compulsory registration and / or verification procedure by force of law:

Optional proof and / or registration obligation (§49 KrWG) in few cases at the discretion of the authorities

Detection procedure (applies only to hazardous waste material)

1) Pre-check (§47 KrWG, §3ff. NachwV)

a) (Collection) Disposal certificate has to contain following:

- > Cover sheet disposal certificate (DEN)
- > Declaration of the responsible waste producer (VE) including the declaration analysis (DA)

Declaration of acceptance from the waste disposer (AE) by using the digital signature

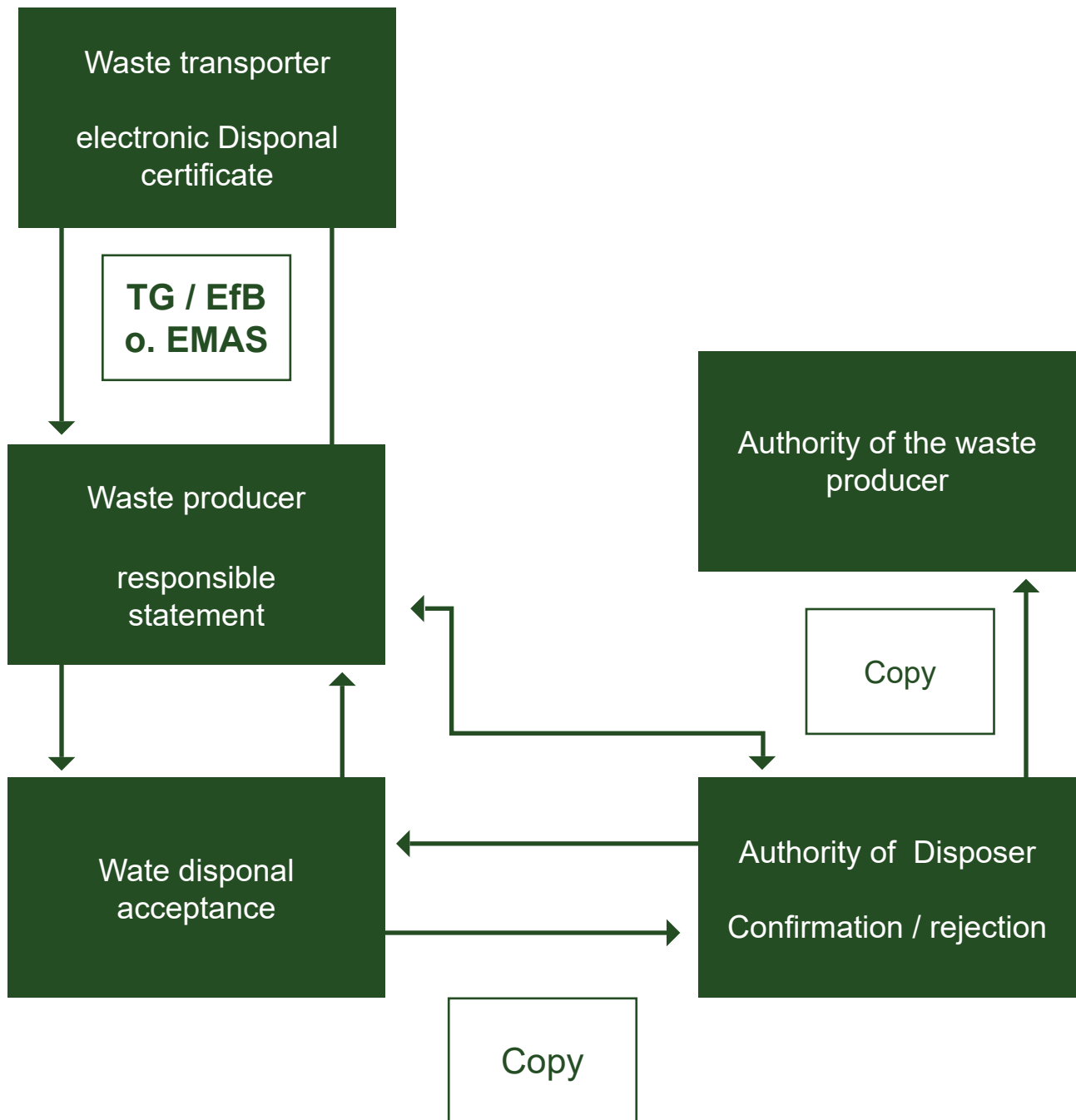
> Official confirmation of authorities

b) Privileged procedure (§7 Abs.1 NachwV)

Obligation of official confirmation no longer applies if the waste disposer is a certified waste management facility or

- The waste disposer is registered under EMAS or
- with the permission of responsible authorities the waste disposer shall be exempted from the obligation of written confirmation

>> Verification Procedure - Prior Checking (§§3 ff NachwV)



- > Marking: A - sing, possibly dangerous goods labeling
(for example class and / or marking (e.g., UN 1263)

33
1203



A

>> Domestic Transport of Waste



2) Fate verification (§43 Abs.1 Nr.1 KrWG, §§10 ff. NachwV)

- a) Electronic consignment notes and handover certificates after registration through ZKS
 - > Separate set for each transport unit
 - > Electronic certification and forwarding of documentation to the involved parties is only by possible by digital signature (since 01.03.201):
 - > producer
 - > carrier + vehicle operator
 - > disposer
 - > responsible authorities (ZKS or SAM)

Attention! Document retention policies according to §25 NachwV

- b) b) Record keeping policyListing of
 - > Quantity, nature and origin of the freight
 - > Declaration of proof
 - > Consignment notes
 - > Handover certificates
 - > Labeling
 - < Exemption

Filing and verification via ZKS certified external administration software e.g. N-Suite

>> Determination of Legal Requirement for the Shipment

Which waste to be transported?

- Waste with AVV / EWC – code

Is there waste for

- > Recycling
- > Disposal

Is the transport of the waste

- > Between Member States within the Community or with transit through third countries
- > From third countries through the Community (Import)
- > From the Community to third countries (Export)



>> Waste Transport Internationally

>> The Notification Procedure

The cross-boarder transportation of waste is subject to either information requirements (in case of green waste) or has to be announced by means of notification procedure to the responsible authorities.

- > When exporting waste from Germany, the responsible state authority of the departure station should be addressed
- > When importing waste to Germany, the competent state authority of the first processing or storage facility should be contacted
- > The Federal Environment Agency is dealing with transit shipments
A list of responsible authorities in Germany is published on the website of the UBA (Federal Environment Agency).

<http://www.umweltbundesamt.de/abfallwirtschaft/gav/index.htm>

Bezirksregierung Düsseldorf

Bezirksregierung Düsseldorf, Postfach 300865, 40408 Düsseldorf

Datum: 13.07.2016
Seite 1 von 1

Aktenzeichen:
52.02.32-28/16
bei Antwort bitte angeben

Frau Kowitz
Zimmer: 6023
Telefon:
0211 475-4362
Telefax:
0211 475-2998
anette.kowitz@brd.nrw.de

Vollzug der Verordnung (EG) 1013/2006 des Rates vom 14.06.2006 über die Verbringung von Abfällen (VVA);
Enforcement of the Council Regulation (EEC) 1013/2006 of 14.06.2006 of shipments of waste

Notifizierung 013580/IE/16
Consignments note No

Notifizierungsunterlagen
Permission of

Sehr geehrte Damen,
sehr geehrte Herren,
Dear Sir or Madam,

In Ausführung von Artikel 9 Abs. 1a) VVA übermittle ich Ihnen die ordnungsgemäß ausgeführte Notifizierung zusammen mit meiner Zustimmung.
In compliance with article 9 point one a) I transmit the notification, because the notification has been properly carried out and complete together with my consent.

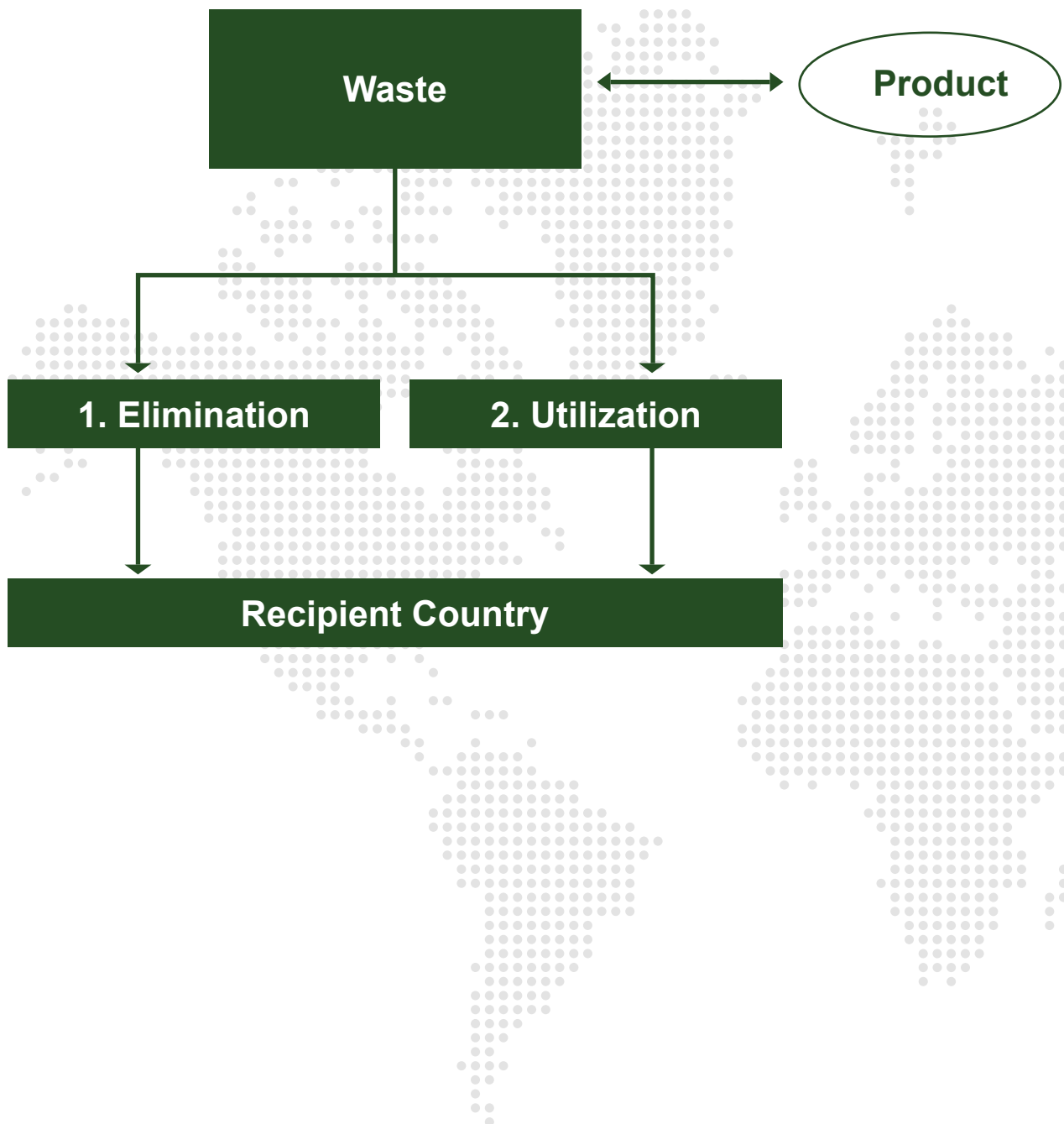
Mit freundlichen Grüßen
Im Auftrag
Yours Sincerely, by order

Dienstgebäude:
Am Bonnehof 35
Lieferanschrift:
Cecilienallee 2,
40474 Düsseldorf
Telefon: 0211 475-0
Telefax: 0211 475-2998
poststelle@brd.nrw.de
www.brd.nrw.de

Öffentliche Verkehrs
Bus (u. a. 721, 722)
bis zur Haltestelle:
Nordfriedhof

Bahn U78/U79
bis zur Haltestelle:
Theodor-Heuss-Brücke

>> The Waste Term of the VVA



>> Waste Transport Internationally

>> Waste for Disposal / Recycling

Waste for disposal is subject to the following criteria:

- < Permanent exclusion from the recycling economy
- > Obligatory notification process
- > Waste products, which are subject to chemicals regulation has to be eliminated (except recycling is explicit approved by the regulation).

Classification of waste for recycling

- < Non-hazardous waste
 - > Waste with higher risk potential
 - > Not listed waste products will consequently be classified in the high-risk category (marked on the red list)
- Required documents for waste classification
- Basic requirements:
- > Address of the proposer
 - > Country details of export destination

Description of the collection point

- > Processing flow resp. origin of waste
- > Quantity of waste producer / number of parties involved
- > Information on possible quality change of waste



>> Required Documents

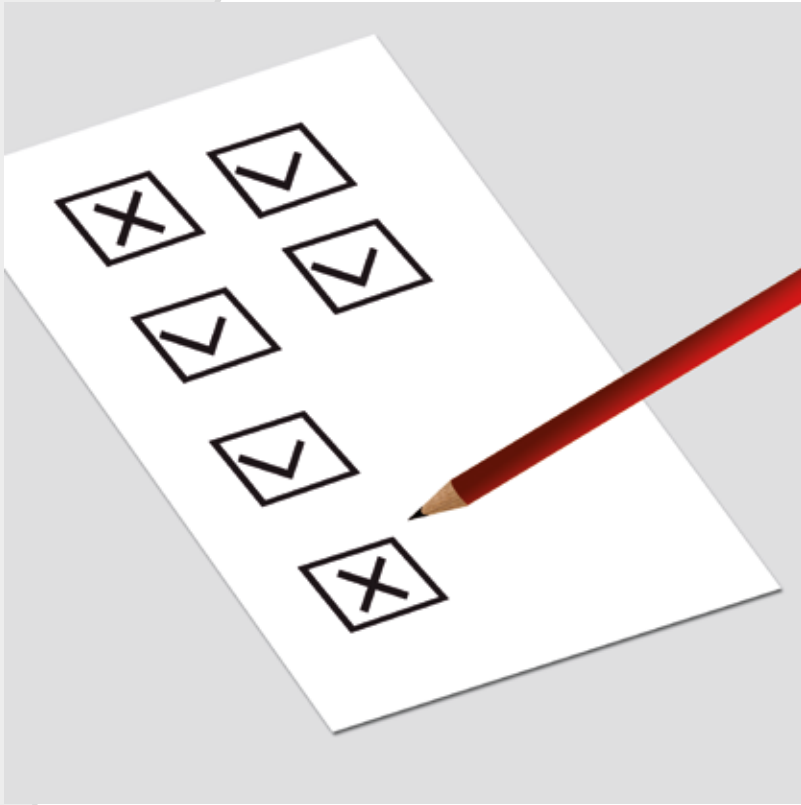
>> Detailed Description / Quick Disposal



The more accurate is the description, the better and faster is the waste disposal.

- > Which quantities should be disposed of?
- < Which waste codes of the EWC resp. OECD catalog can be assigned to the waste?
- > How is the consistency of the waste material? (liquid, viscous, solid...)
- > Is it a homogenous mass (such as sludge) or an uneven mixture (waste from sorting or collection)?
- > Can the condition be described in case of manufacturing waste with no further use? (e.g. tread depth by tires)
- > What are the main components of the waste?
- > Which pollutants (waste-specific or other) are present? (Analysis might be required)
- > In which concentration are these harmful substances contained?
- > Can the separation of the contaminants be performed before the shipment?
- > Which problematic materials can be identified? (nature and quantity)
- > Permanent exclusion of the recycling economy
- > Prior written notification strictly required
- > Waste materials subject to Chemicals Regulations are strictly to be eliminated (except the recycling is expressly permitted by law).

>> Necessary Information



Specification of the disposal facility and type of service

- > Location of disposal facility must be specified
- > Which authorizations have been obtained? (copy of approvals to be carried)
- > Description of the disposal procedures required
- > What is the relation between the recoverable waste and residual quantities?
- > What is the estimated value of the recycled material?
- > What is the intended disposal method for the non-recyclable proportion?

>> Waste Transport Internationally

>> Transport Information

> Specification of transport container

> Specification of the means of transportation (railway, truck, ship)

	between EU-Staaten	between EU countries	Transit through the EU	export out the EU
Waste to elimination	Approval required	Approval required	Approval required	Prohibited 1)
GREEN WASTE FOR RECOVERY (ANNEXES III; IIIA AND IIIB OF THE VVA) containing no dangerous constituents > 20 kg	Duty to provide information 2)	Duty to provide information 2)	Duty to provide information 2)	Information obligation and specials 3)
All ousher Waste	Approval required	Approval required	Approval required	regulations 3)

1) Export to Switzerland, to Norway, to Iceland only with the consent of the authorities

2) Transitional arrangements still apply to some of the new EU Member States.

3) Partial restrictions by national legislation of the relevant NON-EU State. Waste listed in Annex IIIB shall be subject to the procedure of prior written notification and consent

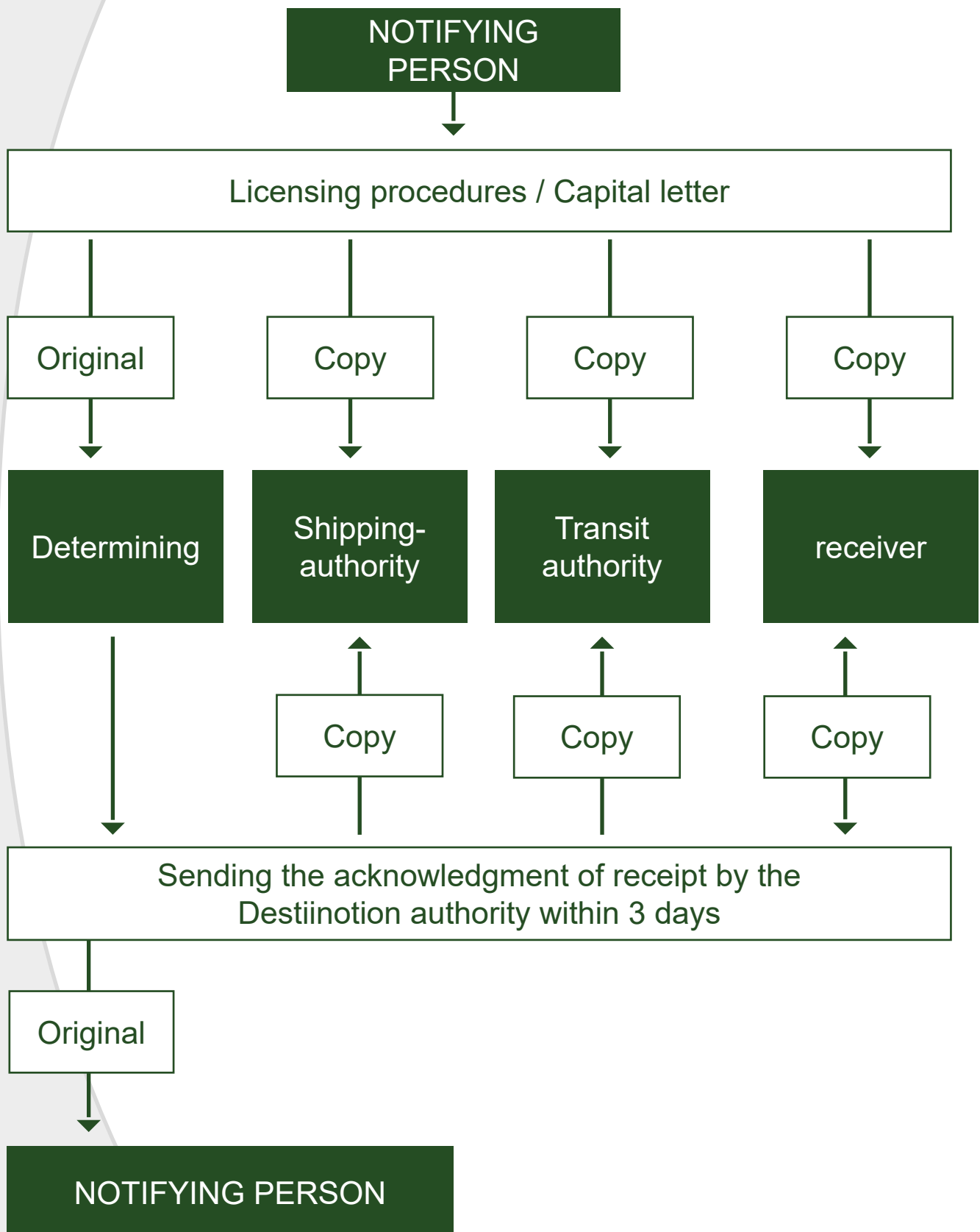
4) To countries to which the OECD Decision does not apply, the export of hazardous material destined for recovery is forbidden.



>> Waste Transport Internationally

>> Notification Procedure During Import

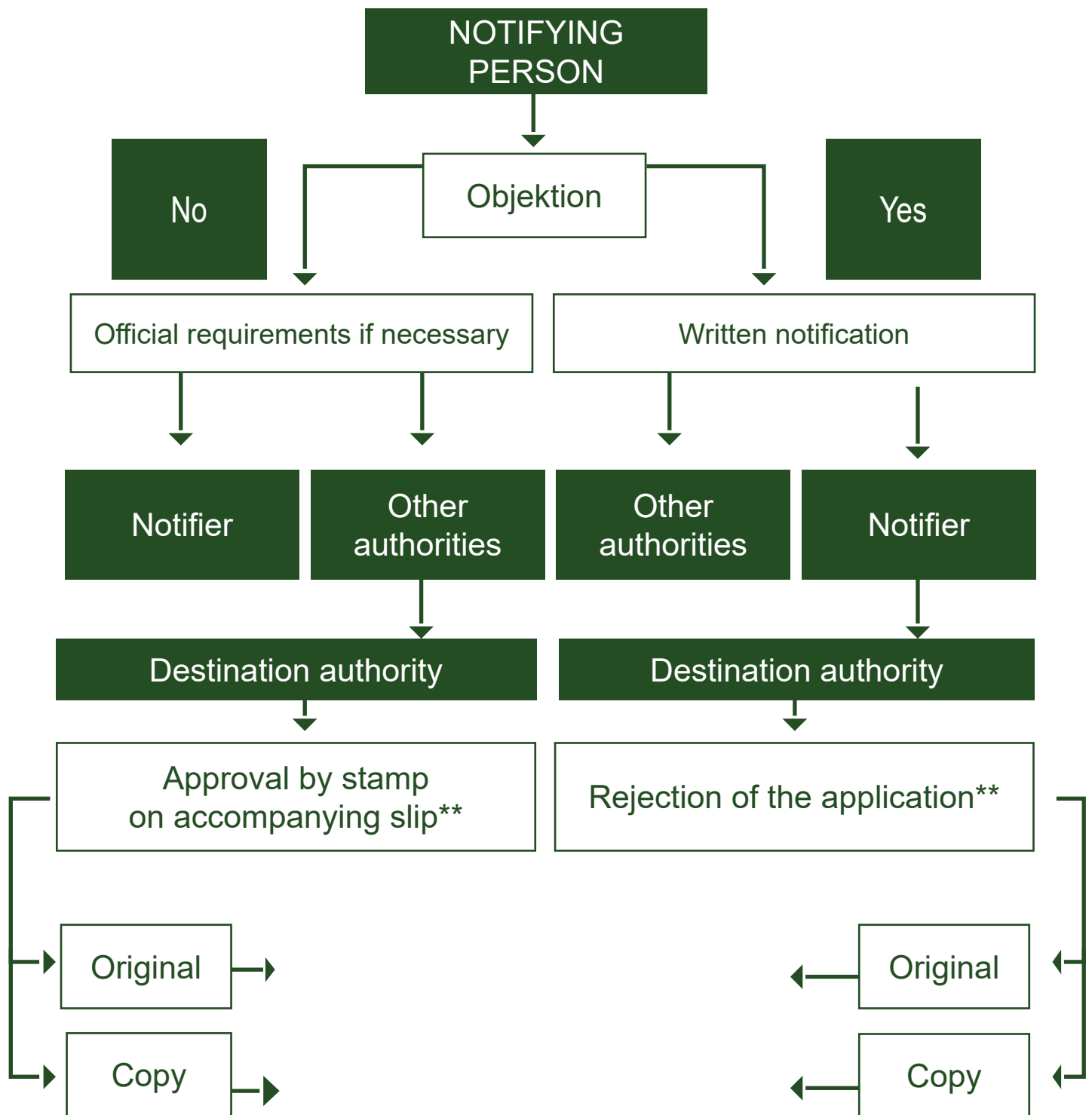
Notification procedure for the import of waste for disposal in the EU
(Art. 20 EG-AbfVerbrV)



Waste Transport Internationally

>> Notification Procedure During Import

Notification procedure for the import of waste for disposal in the EU
(Art. 20 EG-AbfVerbrV)



* within 60 days after sending the copy of the acknowledgment

** within 70 days of sending the acknowledgment

>> Approval Procedure

Procedure after receiving the approval

The recipient authority will submit a copy of the authorization to all authorities involved.

Waybill method

- > Transport notification incl. delivery quantity
- > Transportation of waste
- > Arrival at destination

Certificate of disposal

Issuing and submission of disposal certificate to the notified person resp. competent authorities not later than 180 days after receipt by filling in the field 25.

Our service

ME Logistic Services GmbH & Co. KG provide your company professional support with suitable and certified transport units also in direct implementation of international waste transportation

>> Recycling of Waste Types – National and Internationally



Transport of cooled waste materials

- > Cooled peroxides in temperature-controlled transport units (e.g. from Belgium, Spain, France or Netherlands to Germany)
- Refrigerated and specially packaged prototype and series modules

Transport of uncooled waste

- > Transportation of solid, palletized materials (e.g. from Hungary, France or Spain to Germany or Finland)
- > Transport of flammable liquids (mostly solvent mixtures) from various EU countries for incineration or distillation in Germany
- > Return transport organization of expired fireworks to special disposal facilities
- > Transport of narcotics (BTMI) with additional driver

Transport of palletized waste materials:

- > Transportation of thousands of tons of electronic waste from Spain, Hungary etc. in a processing plant to Germany

Transport of liquid waste materials

>> Waste Transport Internationally

>> Recycling of Waste Types – National and Internationally

Transport of loose waste

- > Transportation of large, old, dismantled industrial machinery, Transformers with or without PCBs, loading on heavy-load transport equipment, inland waterway vessels or railway to the suitable disposal facility

Transport of bulk waste (with or without DG classification)

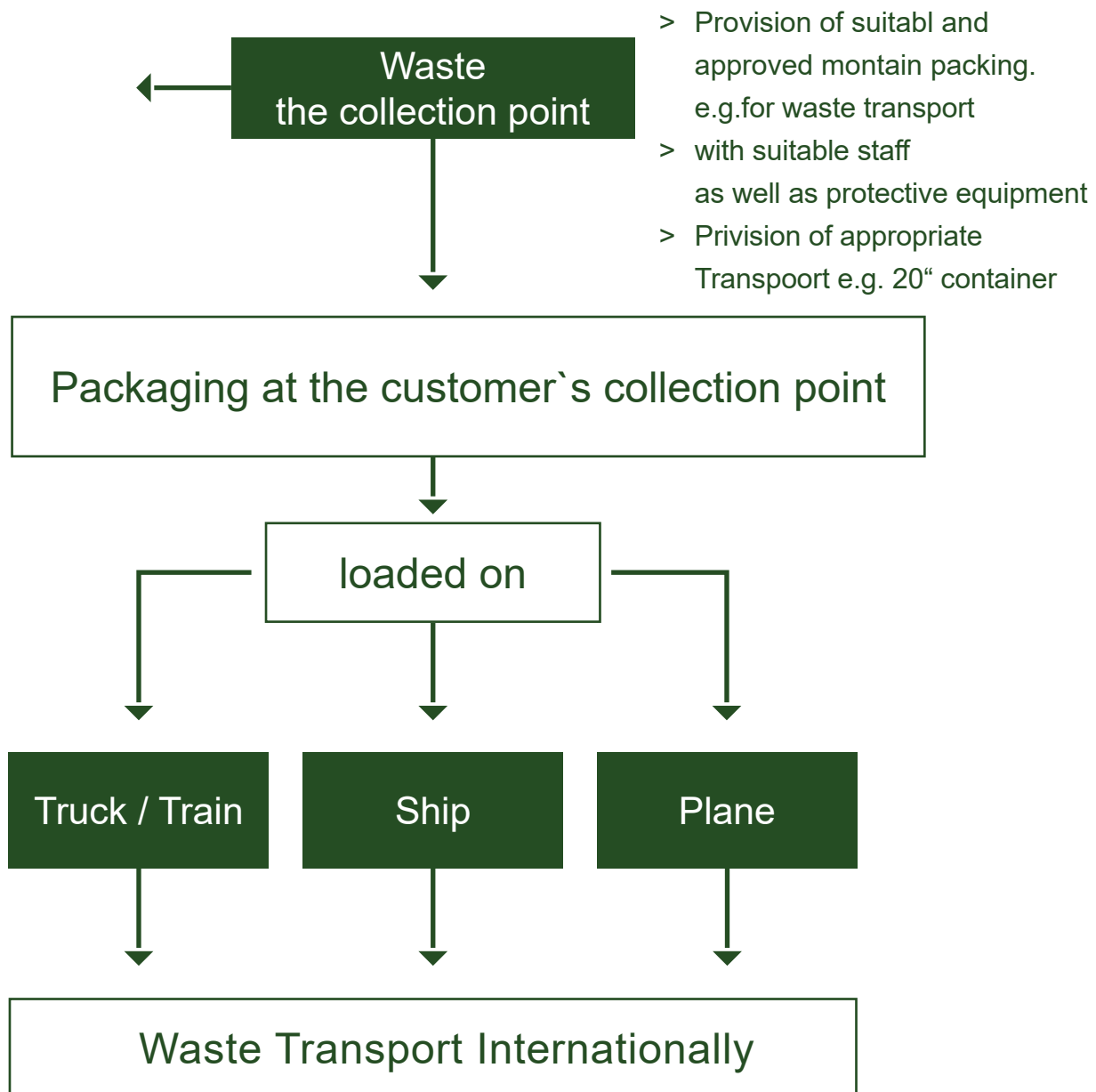
- > Transportation from all European countries to the designated disposal facility (e.g. pre-mixed waste in tipper chassis from Bosnia-Herzegovina or Southern Europe to German disposal facility)

In addition, ME Logistic Services GmbH & Co. KG has the possibility to use several waste collection facilities Europe-wide through business partners and their authorization for waste transport.



>> Waste Transport Internationally

>> Process of Recovery

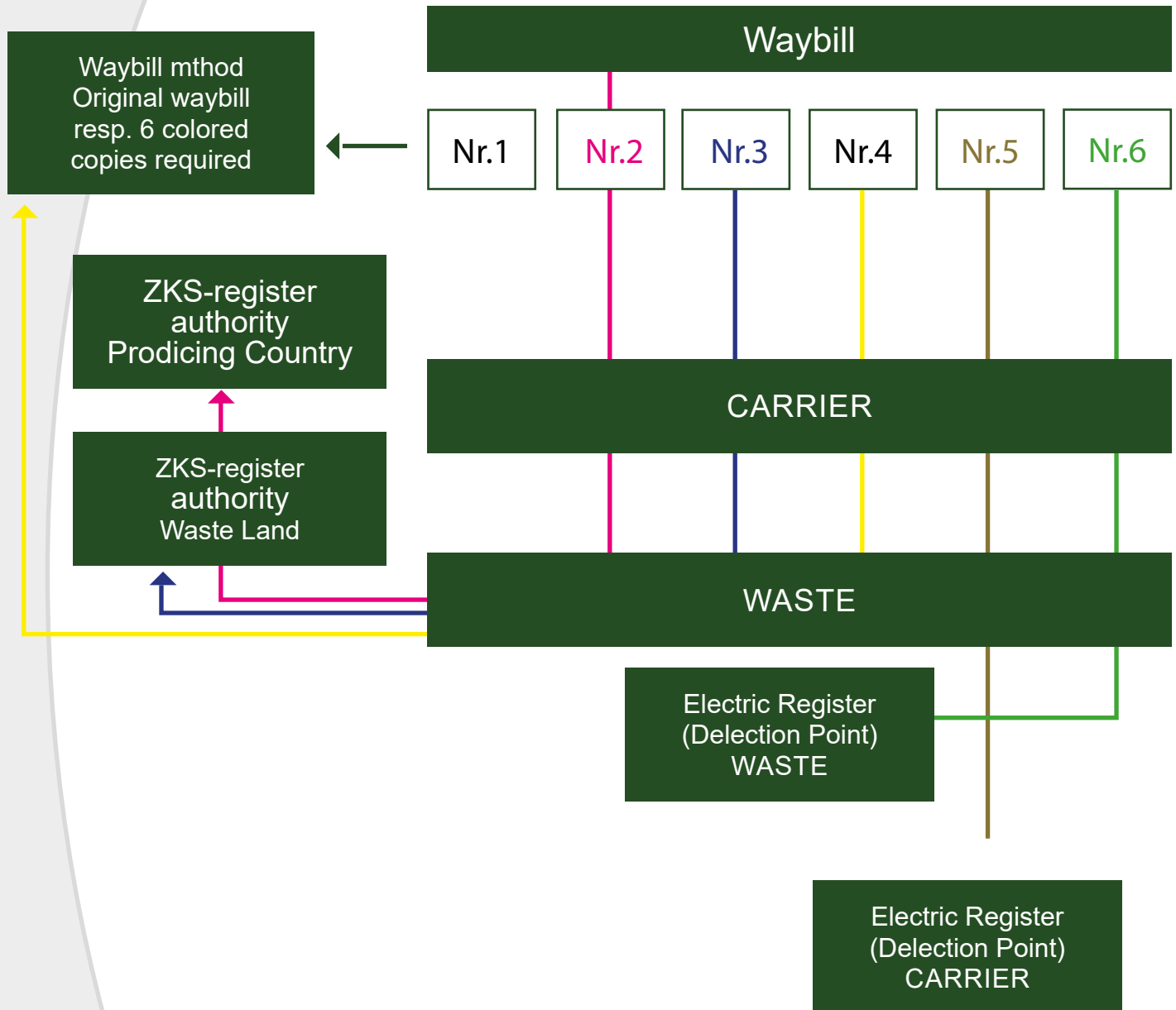


>> Waste Transport Internationally

>> Consignment-Note Procedure (§15 ff NachwV)

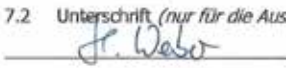
Waybill method

> Original waybill resp. 6 colored copies required



>> Waste Transport Internationally

>> EFB Certificate acc. Section 56 (2) KrWG

1. Name und Anschrift der Zertifizierungsorganisation 1.1 Name: GZQ Gesellschaft zur Zertifizierung von Qualitäts- und Umweltmanagementsystemen mbH 1.2 Straße: Sulzbachtalstraße 131 1.3 Staat: Deutschland Bundesland: Saarland Postleitzahl: 66125 Ort: Saarbrücken		2. 
3. Angaben zum Zertifikat 3.1 Nummer des Zertifikats (durch die Zertifizierungsorganisation frei zu vergeben): <u>03/12/239</u> 3.2 Erstmalige Zertifizierung <input type="checkbox"/> oder Folgezertifizierung <input checked="" type="checkbox"/> 3.3 Vorgangsnummer (soweit von der Behörde erteilt): <u>ZZKT001000523001</u> 3.4 Das Zertifikat beinhaltet <u>1</u> Anlage(n). 3.5 <input type="checkbox"/> Das Zertifikat wird nur für einen bestimmten Betriebsteil erteilt (siehe Anlage(n) _____) 3.6 <input type="checkbox"/> Das Zertifikat wird nur für bestimmte Abfallarten, Tätigkeiten oder Standorte erteilt (siehe Anlage(n) _____). 3.7 Das Zertifikat ist gültig bis zum <u>06.11.2019</u>		
4. Name und Anschrift des Entsorgungsfachbetriebes (Hauptsitz): 4.1 Name: <u>ME Logistic Services GmbH & Co. KG</u> 4.2 Straße: <u>Im Schiffels 7 a</u> 4.3 Staat: <u>Deutschland</u> Bundesland: <u>Rheinland-Pfalz</u> Postleitzahl: <u>D-55491</u> Ort: <u>Büchenbeuren</u> 4.4 Eintrag in das Handels-, Vereins- oder Genossenschaftsregister (sofern ein Eintrag erfolgt ist): Registernummer (HRA, HRB etc.): <u>HRA 20839</u> Registergericht: <u>AG Bad Kreuznach</u>		
5. Der Betrieb ist berechtigt, im Hinblick auf die in der Anlage zu diesem Zertifikat genannten Standorte, Tätigkeiten und Abfallarten das Überwachungszeichen der obengenannten technischen Überwachungsorganisation oder Entsorgungsgemeinschaft und die Bezeichnung <p style="text-align: center;">„Entsorgungsfachbetrieb“</p> gemäß § 56 des Kreislaufwirtschaftsgesetzes in Verbindung mit der Entsorgungsfachbetriebsverordnung zu führen.		
6. Prüfungsdatum: <u>07.05.2018</u>	7. Sachverständiger, der die Überprüfung durchgeführt hat: 7.1 Name: <u>Weber</u> Vorname: <u>Helko</u> 7.2 Unterschrift (nur für die Ausstellung in Papierform): 	
8. Ausstellungsdatum: <u>27.08.2018</u>	9. Leiter/Leiterin der Zertifizierungsorganisation: 9.1 Name: <u>Scherer</u> Vorname: <u>Thomas</u> 9.2 Unterschrift (nur für die Ausstellung in Papierform): 	

>> EFB Certificate acc. Section 52 (1) KrWG

Anlage 1 zum GZQ-Zertifikat mit der Nummer 03/12/239	
Name des Entsorgungsbetriebs <u>ME Logistic Services GmbH & Co. KG</u>	
1. Standort (Bei mehreren Standorten ist für jeden Standort eine Anlage auszufüllen):	
1.1 Bezeichnung des Standorts: <u>ME Logistic Services GmbH & Co. KG</u>	
1.2 Straße: <u>Im Schiffels 7a</u>	
1.3. Staat: <u>Deutschland</u> Bundesland: <u>Rheinland-Pfalz</u> Postleitzahl: <u>D-55491</u> Ort: <u>Büchenbeuren</u>	
2. Zertifizierte Tätigkeit	
<ul style="list-style-type: none"> Bei mehreren Tätigkeiten ist für jede Tätigkeit eine eigene Anlage auszufüllen, wenn nicht die gleichen Abfallarten betroffen sind. Die Tätigkeit des Behandeln ist immer gemeinsam mit der Tätigkeit des Verwertens und/oder des Beseitigens anzukreuzen. Die Tätigkeit des Lagerns ist immer gemeinsam mit der Tätigkeit des Verwertens und/oder des Beseitigens anzukreuzen. 	
2.1 Sammeln <input checked="" type="checkbox"/>	Kennnummer nach § 28 NachwV: <u>G224376959</u>
2.1.1 nur deutschlandweit	<input type="checkbox"/>
2.1.2 weltweit	<input checked="" type="checkbox"/>
2.2 Befördern <input checked="" type="checkbox"/>	Kennnummer nach § 28 NachwV: <u>G224376959</u>
2.2.1 nur deutschlandweit	<input type="checkbox"/>
2.2.2 weltweit	<input checked="" type="checkbox"/>
2.3 Lagern <input type="checkbox"/>	Kennnummer nach § 28 NachwV: _____
2.3.1 zwecks Verwertung (Nr. 2.5)	<input type="checkbox"/>
2.3.2 zwecks Beseitigung (Nr. 2.6)	<input type="checkbox"/>
2.4 Behandeln <input type="checkbox"/>	Kennnummer nach § 28 NachwV: _____
2.4.1 zwecks Verwertung (Nr. 2.5)	<input type="checkbox"/>
2.4.2 zwecks Beseitigung (Nr. 2.6)	<input type="checkbox"/>
2.5 Verwerten <input type="checkbox"/>	Kennnummer nach § 28 NachwV: _____
<input type="checkbox"/> vorbereitend	<input type="checkbox"/> abschließend
2.5.1 Vorbereitung zur Wiederverwendung	<input type="checkbox"/>
2.5.2 Recycling	<input type="checkbox"/>
2.5.3 sonstige Verwertung	<input type="checkbox"/>
2.6 Beseitigen <input type="checkbox"/>	Kennnummer nach § 28 NachwV: _____
<input type="checkbox"/> vorbereitend	<input type="checkbox"/> abschließend
2.7 Handeln <input checked="" type="checkbox"/>	Kennnummer nach § 28 NachwV: <u>G224376959</u>
2.7.1 nur deutschlandweit	<input type="checkbox"/>
2.7.2 weltweit	<input checked="" type="checkbox"/>
2.8 Makeln <input checked="" type="checkbox"/>	Kennnummer nach § 28 NachwV: <u>G224376959</u>
2.8.1 nur deutschlandweit	<input type="checkbox"/>
2.8.2 weltweit	<input checked="" type="checkbox"/>
3. Beschreibung der abfallwirtschaftlichen Tätigkeit, insbesondere der Anlagentechnik (bei mehreren technischen Anlagen ist für jede technische Anlage eine eigene Anlage auszufüllen):	
Transport sowie Handeln und Makeln von Abfällen	
4. Abfallarten nach dem Anhang zur AVV:	
4.1 alle Abfallarten	<input checked="" type="checkbox"/>
4.2 alle nicht gefährlichen Abfälle	<input type="checkbox"/>
4.3 alle gefährlichen Abfälle	<input type="checkbox"/>
4.4 bestimmte Abfallarten	<input type="checkbox"/>

>> SAM Certificate

Außerdem weisen wir Sie auf Folgendes hin:
 Die Betriebsnummer dient lediglich zur Identifikation eines Unternehmens bzw. Unternehmens. Insbesondere ersetzt diese Betriebsnummer keine Einholung einer Beförderungserlaubnis oder das Einholen eines Begleitscheins/Übernahmescheins.
 Nähere Informationen...

SAM
 Sonderabfall-Management-Gesellschaft
 Rheinland-Pfalz mbH

SAM GmbH - Wilhelm-Theodor-Röntgen-Str. 34 - 55131 Mainz
 ME Logistic Services GmbH & Co.
 KG
 Im Schiffels 7a
 55491 Büchenbeuren

Ihre Zeichen: _____ Ihre Nachricht vom: _____ Unser Zeichen: _____ Durchwahl: -82 _____ E-Mail: info@sam-logistik-rp.de _____ Mainz: 05 05 2017

Erteilung einer Betriebsnummer

Sehr geehrte Damen und Herren,

als die in Rheinland-Pfalz zuständige Stelle zur Vergabe der Betriebsnummern erteilen wir gemäß § 28 Abs. 1 Nachweisverordnung folgende Betriebsnummer für

Firmenname: ME Logistic Services GmbH & Co. KG
 Straße: Im Schiffels 7a
 Ort: 55491 Büchenbeuren
 Betriebsnummer: **G22437695**

Diese Betriebsnummer können Sie als Erzeuger/- Beförderer/- Maklernummer in Zukunft verwenden.

Wir bitten Sie, bei der Führung von Entsorgungsnachweisen, Begleitscheinen und Übernahmescheinen für gefährliche Abfälle diese Betriebsnummer in den dafür vorgesehenen Stellen der Formulare einzutragen.

 **Info:**
 WfSt. Th. Büchenbeuren, 55
 55131 Mainz
 T: 05 05 20 40 42 20 2
 F: 05 05 20 40 42 20 1

Geschäftsbereich:
 Dr. Kerstin Müller
 Dr. Ulfert Kopp
 Vorsitzende des Aufsichtsrates
 Prof. Dr. Friedrich Jung

Ständige Vertretung:
 Dr. Kerstin Müller
 Dr. Ulfert Kopp
 Dr. Kerstin Müller
 Dr. Ulfert Kopp
 Dr. Kerstin Müller
 Dr. Ulfert Kopp

>> Waste Transport Internationally



Regulatory evidence in European Abroad - Waste Transportation Permits

- > valid for Flanders (Belgium)
- > Valid for the Netherlands
- > Valid for Region Wallonia (Belgium)



Waste Transport Internationally

Dangerous Goods Logistics - worldwide of all classes

Dangerous Goods Logistics for the Food and Beverage Industry



ME Logistic Services GmbH & Co. KG
Location Hahn -Airport

A member of:

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Dangerous Goods Logistics for the Food and beverage industry

P.	62	Presentation beverage industry
P.	62	Table of contents
P.	63	Range of services / order / delivery
P.	64	Internal inspection / storage
P.	65	Instruction / safety has the highest priority
P.	66	Hazardous substances – cadastre / duties
P.	67	Safety data sheets
S.	68	Your benefits



>> Dangerous Goods Logistics

Dangerous goods logistic means to know in advance, what exactly needs to be transported.

In order to assist and support you professionally, we require following information about:

- > Your supply chain
- > our securization for the areas of hazardous substances, water protection and waste
- > Your documentation obligations to the public authorities
(annual report, waste balance, etc.)



In case of transporting dangerous goods for regular use in operational processes following pieces of information are essential:

- > UN number
- > Dangerous goods class
- > Packing group
- > Tunnel code
- > DG specific name
- > Quantity & type of packaging
- > Internal product name
- > Date of delivery
- > Entry in the online DG register (ordered quantity)
- > Supplier declaration / customs tariff number (TARIC)
- > Flash point (IMDG)
- > Marine pollutant



>> Internal Audit / Safety Data Sheet

Not only a verification, based on company-internal checklist will be carried out, but also a visual check to discover externally visible damage.

Safety Data Sheet
according to Regulation (EG) No. 1907/2006 (REACH)
Creation date: 20.12.2016 Created by: P. Kühnel
Revision: 1.0 Replaced Revision: -

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Trade name / designation: Lithium-ion-battery
Other means of identification: Batterysystem_14S20P_INR_18650_35E_Master

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses:
The battery system must only be used in the customer-application. Observe the notes to the separate manual.
Only use chargers that are suitable for the use of the battery.
Uses advised against:
The battery system may only be used for the intended purpose.

1.3 Details of the supplier of the safety data sheet:
Manufacturer / supplier
Smart Battery Solutions GmbH
Address
Lindigstraße 8a
National identification / Post code / city
DE / 63801 / Kleinostheim
Website
www.smart-battery-solutions.de
Phone number / Fax number / E-Mail
+49 (0)60207 990813 30 / +49 (0)60207 990813 38 / info@smart-battery-solutions.de

1.4 Emergency telephone number
+49 (0)60207 990813 30

Section 2: Hazards identification

2.1 Classification of the substance or mixture:
Lithium batteries are sealed gastight and non-hazardous under normal handling and use.

2.2 Label elements
Hazardous components which must be listed on the label
The battery system is not subject to specific labelling requirement

2.3 Other hazards
Don't dismantle the battery. The battery can only be used for the specified application range. Don't contact the battery in a wrong way. Avoid short-circuit while you keep away metallic objects from the battery. Don't throw the battery into an area of a heat source. Do not heat the battery punctual. Don't throw the battery into open fire. Explosion danger!
Don't use a battery with optical defects, deformations or eye-catching discolouration. Charge the battery only with the right charger. Do not exceed the load times given by the manufacturer. Replace the battery if the capacity is much lower than given. Take care of the data on the battery. If there is no information given to the temperature range, please use the following:
Charge from 0°C till 45°C and discharge from -20°C till 60°C

Seite: 1 / 8

Verpackungsanweisung für UN 1219, Klasse 3, Verpackungsgruppe II
STRASSE (GGVSEB/ADR/SDR)
Alle Markierungen müssen auf einer Seite sein.

LIMITED QUANTITY: 1 L netto je Innenverpackung, max. 30 kg brutto / Packstück

benötigt: Gefahrgutlabel LQ
nicht benötigt: UN geprüfte Verpackung, schriftliche Weisungen (Unfallmerkblätter)

Deklaration als Normal-Gefahrgut
benötigt: UN geprüfte Verpackung, Gefahrgutlabel 3 (Flammable liquid), Label: UN-Nummer, Proper Shipping Name, Label: Shipper / Consignee, schriftliche Weisung (Version 2017) - in der Sprache des Fahrers

UN 1219
Isopropanol (Isopropylalcohol) ?? L

UN 1219
Isopropanol (Isopropyl alcohol) ?? L

Bitte benutzen Sie bei Flüssigkeiten der Verpackungsgruppe I + II immer Vermiculit als Füllmaterial

SEE (IMDG)
Alle Markierungen müssen auf einer Seite sein.

LIMITED QUANTITY: 1 L netto je Innenverpackung, max. 30 kg brutto

benötigt: Gefahrgutlabel LQ
nicht benötigt: UN geprüfte Verpackung, schriftliche Weisungen (Unfallmerkblätter)

Deklaration als Normal-Gefahrgut
benötigt: UN geprüfte Verpackung, Label: Shipper / Consignee, schriftliche Weisung (englische Version)

UN 1219
Isopropanol ?? L

Bitte benutzen Sie bei Flüssigkeiten der Verpackungsgruppe I + II immer Vermiculit als Füllmaterial

LUFT (IATA)
Alle Markierungen müssen auf einer Seite sein.

UN 1219
Isopropanol ?? L

Achtung! Weitere Begrenzungen für Innenpackstücke je nach Werkstoff! Bitte ME Logistic kontaktieren!

Zwingend: ME Logistic zur Erstellung der Shippers Declaration beauftragen!!!

erstellt von

Gültig für das Kalenderjahr 2018

Important:

Storage within the company – depending on the type and quantity - are subject to the BetrSichV, WHG, VawS and the BImSchG, accident VO, atom G.

Our qualified staff review the safety data sheets of the suppliers based on the current legal requirements and generate notification of defects if necessary.

Storage:

ME Logistic Services GmbH & Co. KG verify whether your in-house storage complies with the notification, authorization resp. approval requirements of the current legislation.

On request direct deliveries from partner warehouses of ME Logistic Services GmbH & Co. KG can take place.

>> Warehousing



ADR 1.8

As regulated by law, all employees, who have contact with dangerous goods must undergo an annual instruction in order to highlight correct behavior during normal operation resp. in the event of a malfunction.

The employees of shipping, purchase and loading departments are briefed at regular intervals by the appointed dangerous goods officer of ME Logistic Services GmbH & Co. KG.

Beachten Sie hierzu auch unsere Präsentation „ONLINE - KATASTER“ !



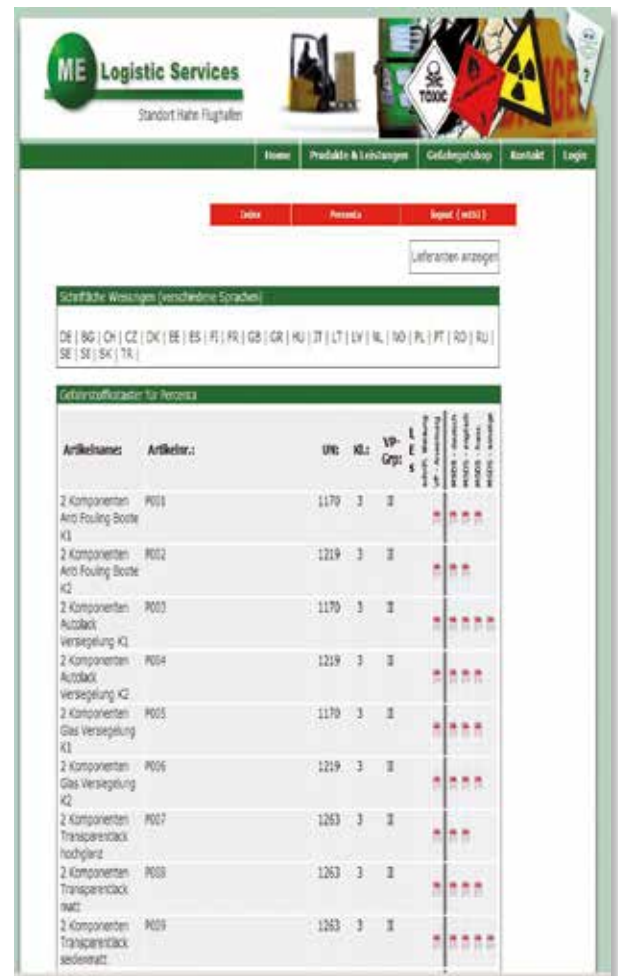
>> Gefahrstoff-Kataster

We provide your company with a password-protected online hazardous substances register. All orders, deliveries, storage just as safety data sheets can be accessed via the register. You gain an accurate overview of all required dangerous goods data.

All involved departments receive a limited access to your area in order to review and retrieve necessary data of the hazardous materials and products, documentation audit-proof.

In case of accident or incident the online register provides access to any of the control authorities

(Trade Supervision, approving authorities, Trade Association, work safety specialist, rescue teams, action force, paramedics, Fire Department, THW, Civil Protection, State Rescue Organs, etc.)



Sa-
fe-
ty

Responsibility

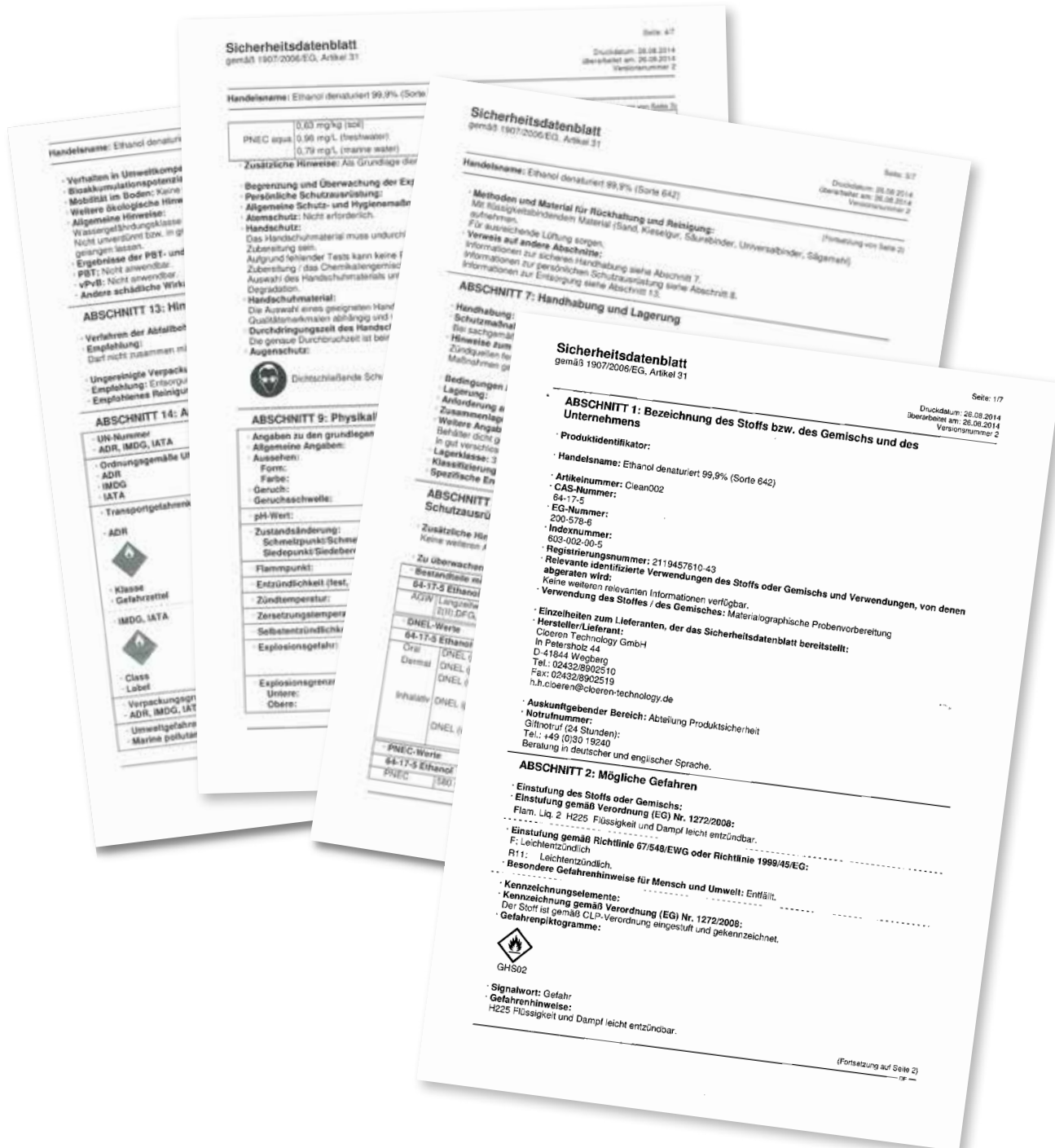
The legal notifications to the competent control bodies are made by the external Dangerous Goods Manager of ME Logistic Services GmbH & Co. KG.

That guaranties a clear, professional, customer-specific documentation obligation and the discharge of the company owner at the same time.

>> Obligations

>> Safety Data Sheets

We review the safety data sheets of the suppliers based on the current legal requirements and generate notification of defects if necessary.



>> Safety Data Sheets

>> Your Benefits

Logistics
Documents
foreign countries
Control
purchase
Fixed costs
laws
Specialist staff
time savings
Advantages
Plane
safty
shipping
daily business
Vacation
quality
organization
transport
digital
speed
Truck
Information
personnel
permanent accessibility

- > Calculable fix costs for monitoring activity
- > Enormous time saving for internal company members
- > Discharging the contractor from official documentation requirements
- > Up-to-date information on continually changing laws and legal practice
- > Regulated representative and standby duties (in case of holiday or sickness)
- > Simplification of internal daily business and more certainty
- > Documentation obligation for purchasing and shipment
- > Covering environmentally relevant issues in the certification process

Feel free to contact our 24 hours hotline service and allow our adequately skilled and licensed personnel to advise you.

24 - Hotline
ME Logistic Services GmbH & Co.KG.
Tel: +49 (0) 65 43 - 5 05 67 0

24 - Hotline
DGAS Luxembourg S.A.
info@dgas-luxembourg.com

>> Your Benefits

Dangerous goods logistics - worldwide of all classes

Large packaging



ME Logistic Services GmbH & Co.KG
Location Hahn - Airport

A member of:

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Content: presentation of large packaging

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- S. 71 xx Large packaging in accordance with IPPC-standard
- S. 72 Range of services / packing
- S. 73 Transport / packaging concept
- S. 74 Safety has priority



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>> Large Packaging in Accordance with IPPC-Standard



Our company is the ideal partner for packaging of small containers up to bulky items such as machines, turbines or similar for the worldwide shipping according to IPPC & UN standards until 40T package weight by:

- Air
- Sea / Inland waterways
- Road
- Railway



>> Range of Services / Packaging



Range of services

Depending on the place where the service is to be provided, the packaging of the packages shall be carried out in own contribution or via specially selected and certified partner companies.

- > Pre-check of dangerous goods for airfreight shipments
- > New and overpacking, use of sniffer dogs, drug control
- > Storage of certified packaging material
- > Consulting and instruction aid for DGR – document manageme

Packaging

Our range of packaging incorporates all special packaging form for hazardous goods and other materials included individual constructions of wooden transport units according to customer's needs and requirements.

In addition to complete solutions we offer a large product range of individual packaging materials such as filament tape, labels etc. but also wooden materials for aircraft pallet construction.

Most of the items with regards to dangerous goods, packaging, load securing, shipping resp. cold chain logistics are available and can be ordered via the company's online-shop.



>> Range of Services / Packaging

>> Transport / Packaging Concept

In order to guarantee a safe transport, ME Logistic Services GmbH & Co. KG developed an individual packaging concept in accordance with the expected needs and requirements of the chosen transport route based on past experience.

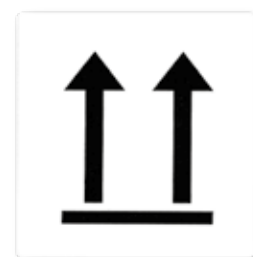
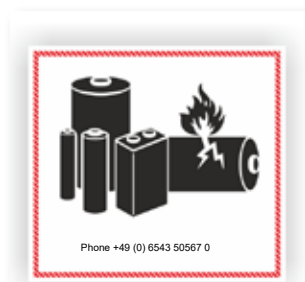
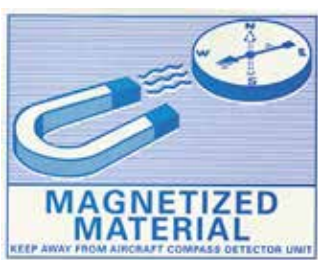
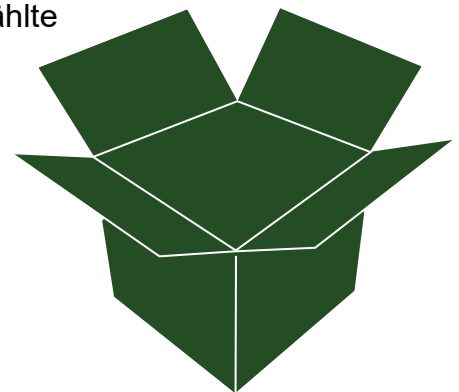
The customer`s special wishes will of course be taken into account during the entire process.

Our qualified staff ensure that all legal requirements are met (e.g. IATA regulations for air traffic).

Um einen sicheren Transport gewährleisten zu können, erstellt ME Logistic Services GmbH & Co. KG ein individuelles Verpackungskonzept, zugeschnitten auf die jeweiligen zu erwartenden Bedürfnisse, die der gewählte Transportweg erfahrungsgemäß mit sich bringt.

Dabei werden Ihre speziellen Wünsche selbstverständlich berücksichtigt.

Unser qualifiziertes Fachpersonal stellt dabei sicher, dass die geforderten rechtlichen Vorgaben (z.B. Luftverkehr: IATA) eingehalten werden.



>> Safety, the Highest Priority



Climatic, transport and storage conditions make the highest demands on packaging. In order to achieve the highest possible safety level at a minimum cost, customized wooden packaging together with metal constructions are designed in cooperation with our IT department. Static load calculation is carried out subsequently by our qualified staff.

By deploying our responsible personal in the production of packaging units as well as packing we can guarantee a high level of security for goods.

In the exceptional case of damage on packaged goods our separate product risk insurance bear liability for the loss and damage (for all mode of transport).



>> Safety, the Highest Priority

Dangrouis goods logistics - worldwide of all classes

GDP - refrigerated Transport



>> ME Logistic Services GmbH & Co. KG
Location Hahn - Airport

A member of:

>> Content: Presentation Refrigerated Transport

S..76	Content
S..76	Presentation refrigerated transport
S.77+78	Pharmaceutical & refrigerated transportation of sensitive (dangerous) goods
S.79	GMP / GDP corporate certificate (pharma-grade-certification)
S.80	Class 6.2 – Infectious materials, pharmaceutical resp. laboratory samples
S.81	Classification category A
S.82	Classification category B
S.83	Non-infectious substances
S.84	xx Updates / Changes
S.85	Behavior in emergency situation / First aid
S.86	Hotline-charts / Lithium battery logistic
S.87	List of category A
S.88	Temperature – Logger / Price list
S.89	Cryogenic tank for UN3373 / Price list
S.90	Temperature data loggers USB PDF RFID ME® X2
S.91	FREIE web-based software
S. 92	Postcards-program
S.93	Specifications

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>> Refrigerated Transport Sensible (dangerous) Goods with GPS and Temperature Monitoring



- Passenger car – loading by hand / load capacity: up to 400 kg
- Vehicles for refrigerated transport – pallet bays: 2 / load capacity: up to 600 kg
- Trucks for refrigerated transport (Nürnberg/Stein) – pallet bays: 15 / load capacity: up to 2600 kg
- Heavy trucks for refrigerated transport (Nürnberg/Stein) – pallet bays: 24 / load capacity: up to 12000 kg

- > Order processing and monitoring according to GDP requirements / 24 h, Europe-wide
- > Temperature-controlled transports
- > Refrigerated box vehicles with verified temperature protection device according to GDP requirements / two refrigerated box vehicles on 2,8 T base are available for now
- > Monitored temperature range: -20°C to +25°C
- > Active refrigerated boxes are available and can be combined flexibly with other GPS-monitored vehicles / dimensions: 2,00 x 1,40 x 1,40 m / they are suitable for diagnostic samples and further pharmaceutical resp. industrial products such as infectious substances
- > Vehicles are kept sterile with certified disinfection products

- > Maße und Zuladung:
- > Maße:
2,00 x 1,40 x 1,40 m
- > Zuladung: max. 600 kg
bis zu 2 EUR-Paletten



>> Refrigerated Transports of Sensitive (Hazardous) Goods

>> Refrigerated Transports of Sensitive (Hazardous Goods)



- > Calibrated temperature control device, permanent documentation of the temperature / DataCOLD 500
- > ATP FRC certificate
- > Pharmaceutical sanitary standard
- > GPS-tracking including temperature data transmitting, door opening times
- > Qualification IQ – OQ for temperature range between: 2°C – 8°C and 15°C – 25°C, Qualification PQ (winter scenario) for temperature range between: 2°C – 8°C and 15°C – 25°C (frost protecting program) with own equipment
- > Direct trips with GPS-monitored, temperature-controlled vehicles
- > Sealable cooling unit
- > Transportation of plasma or blood samples
- > Transport of temperature-controlled dangerous goods
- > Direct trips Europe-wide
- > Printout via on-board temperature recorders
- > Disposal transports of used lithium cells (hybrid vehicles) in our own approved ASP containers with the help of our German branch
- > Transportation of laboratory samples – cooled or with dry ice
- > Dry ice supply 24/7 on 365 days of the year
- > ISO packaging with or without UN approval, in stock
- < Organization of import or export air / see freight temperature-controlled as general cargo or container freight
- > Disinfection of blood sample transports with certificate

>> Refrigerated Transports of Sensitive (Hazardous Goods)

>> GMP / GDP Company Certificate (Pharmaceutical Certification)

Unternehmens-Zertifikat



Die unten aufgeführten Teilnehmer der Firma:

ME Logistic Services GmbH & Co. KG
Im Schiffels 7a
55491 Büchenbeuren

haben erfolgreich an folgendem Seminar teilgenommen

GDP-Grundlagenschulung

Das Seminar über die Guidelines on Good Distribution Practice umfasste folgende Schwerpunkte:

- Definition Qualität und Qualitätsbewusstsein
- Umgang mit Arzneimitteln und Besonderheiten im Pharma-Transport
- Kerninhalte weiterer Richtlinien und gesetzlicher Grundlagen
- GDP und die Auswirkungen auf das eigene Business
- Anforderungen an ein GDP-konformes Qualitätsmanagement-System
- Anforderungen an das Personal (Hygiene, Schulung)
- Anforderungen an Betriebsräume und qualifiziertes Equipment
- Grundsätze der Pharmazeutischen Dokumentation
- Anforderungen an die Betriebsabläufe
- Umgang bei Verdacht auf gefälschte Arzneimittel und bei Arzneimittelrückrufen
- Beschwerden, Abweichungen und CAPA
- Ausgelagerte Tätigkeiten und Besonderheiten bei der Unterauftragsvergabe
- Qualifizierung von Equipment
- Umgang mit qualifiziertem Equipment (Reinigung und Hygiene, Wartungen)

Ein Wiederholungs-/Aufbau-Seminar ist für Fahrer und Mitarbeiter in der Disposition jährlich durchzuführen. Das Seminar wurde mit einer Erfolgskontrolle absolviert.

Stuttgart, 14.08.2017

Buket Dagli
Training

>> Refrigerated Transports of Sensitive (Hazardous Goods)



Class 6.2 – Infectious Substances, Pharmaceutical / Laboratory Samples

Class 6.2 – infectious substances,
(UN3373 + UN2814 pharmaceutical / laboratory samples) Transportation of laboratory
Samples only in own GPS-monitored, temperature-controlled vehicles.

Collection frequency:

- > Hamburg – weekly
- > Marburg – daily
- > Berlin – weekly
- > Munich – daily
- > Stuttgart – daily
- > Zürich & Basel / Switzerland – daily
- > Turin / Italy



Infectious substances are divided into the following categories:

Definition category A

Infectious substances which are capable to cause permanent physical disability, mortal danger, fatal injury resp. disease for human or animals in case of physical contact during transportation.

Examples of these substances are listed e.g. in the table 3.6 D of IATA book.

Infectious substances which meet the criteria of posing real threats to human and animals are listed under UN2814.

Infectious substances which only endanger animals will be listed as UN2900.



Definition Category A

>> Definition Category B

Definition category B

An infectious substance that does not meet the criteria for category A.
Infectious substances in category B must be assigned to UN3373.

Own transports of approx. 6400 samples per year are collected Europe-wide and delivered worldwide – also as escorted transports.

The proper shipping name for UN3373 is 'biological substance category B'.

Medical or clinical waste containing infectious Category B substances must be assigned to UN 3291. These transports may be carried out from and across borders.



Biomedical waste, n.o.s.

> 6.2 UN 3291 Clinical waste, unspecified, n.o.s.

> 6.2 UN 3291 Medical waste, n.o.s. oder

> 6.2 UN 3291 Regulated medical waste, n.o.s.



>> Definition Category B

>> Non Infectious Substances



Substances which do not contain infectious materials or substances which most likely do not endanger human or animals are not subject to the regulations, unless they would impose criteria for inclusion in another class.

Substances containing micro-organisms which are not pathogenic to humans and animals are not subject to these regulations, as long as they do not meet the criteria for classification into another class.

Substances in a form in which any existent pathogens are neutralized or deactivated in order to eliminate any risk to health are not subject to these regulations as long as they do not meet the criteria for inclusion in another class.

>> Non Infectious Substances

>> Updates

Following criteria will decide whether the material can be transported as an infectious substance or as diagnostic sample:

- > The hazard identified in a laboratory
- > The purpose of transport
- > The perceived danger in comparison to the scientific and experimental proof

The result is a regulation that imposes a number of controls. Compared to the actual danger they are disproportionate and result in unnecessary burden on the health prevention, diagnose, treatment methods and emerging diseases.

A

s of January 1, 2005 risk groups are no longer used.

The categories and applicable packaging regulations changed as follows:

Category A

Infectious substance – packaging regulation 602



>> Behavior in Emergency Situations

Behavior in emergency situations in case of infectious substances of the category A and B:

- > Isolation of the entire infected area in all directions
- > Keep unauthorized personnel away from the infected area
- > Determine the exact name of the substance and report it to the responsible authorities
- > The substance must not be touched or passed through
- > Never touch defective containers or leaking material without the necessary protective clothing



Attention

- > Rescued persons can be a source of contamination
- > Call doctor or paramedics immediately
- > Remove and isolate contaminated clothing and shoes
- > In case of contact with the substance, rinse skin or eyes with plenty of water for at least 20 min
- > Various side effects (after inhaling, ingestion or skin contact) be capable of occurring with delay
- > For further assistance, please contact the responsible health authority

>> DGR - Hotline ME Logistic Durchwahlen / DGR - Hotline ME Logistic direct dialings und / and E-Mail-contacts



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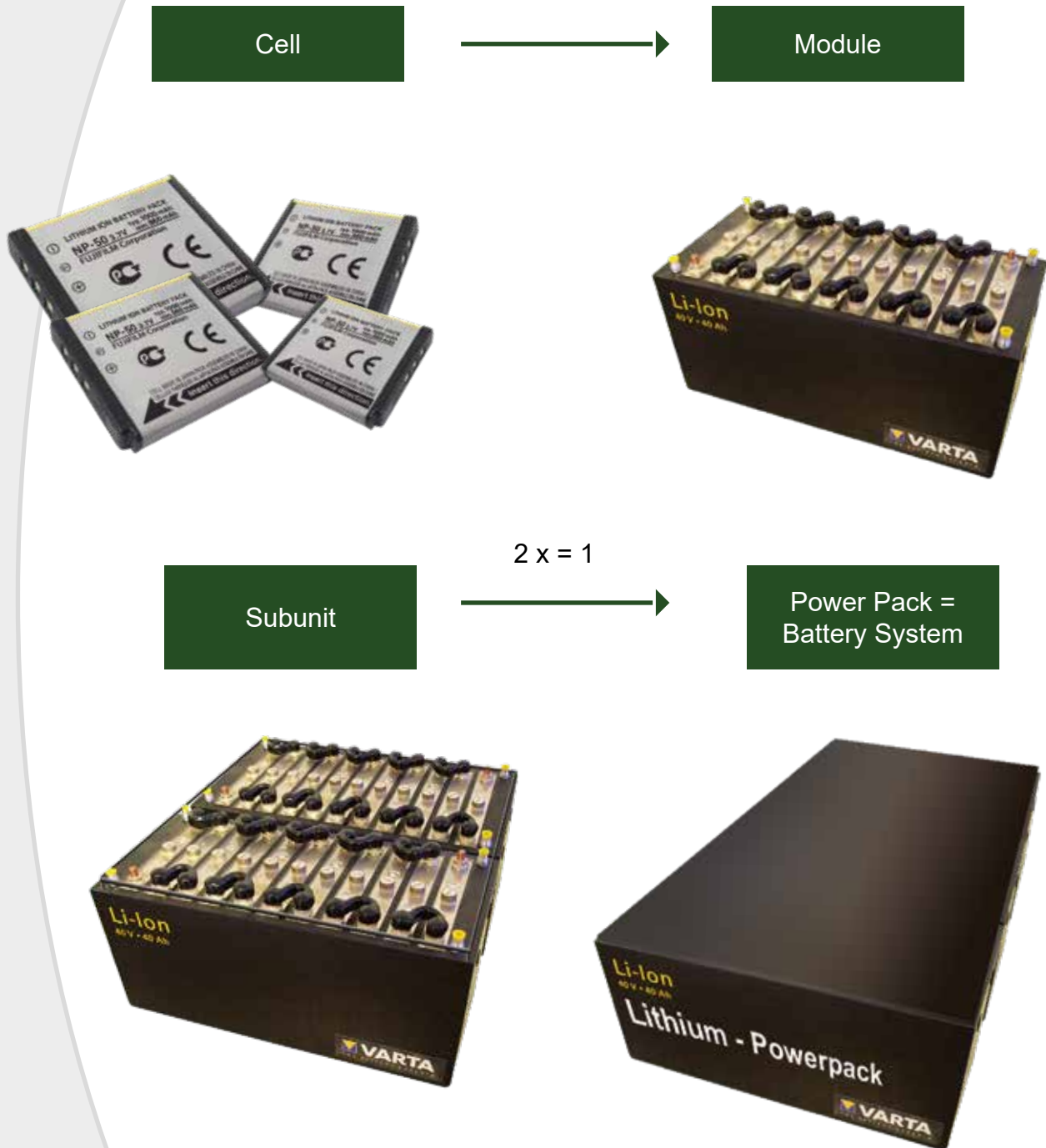
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>> gültig ab / valid after 01.01.2018

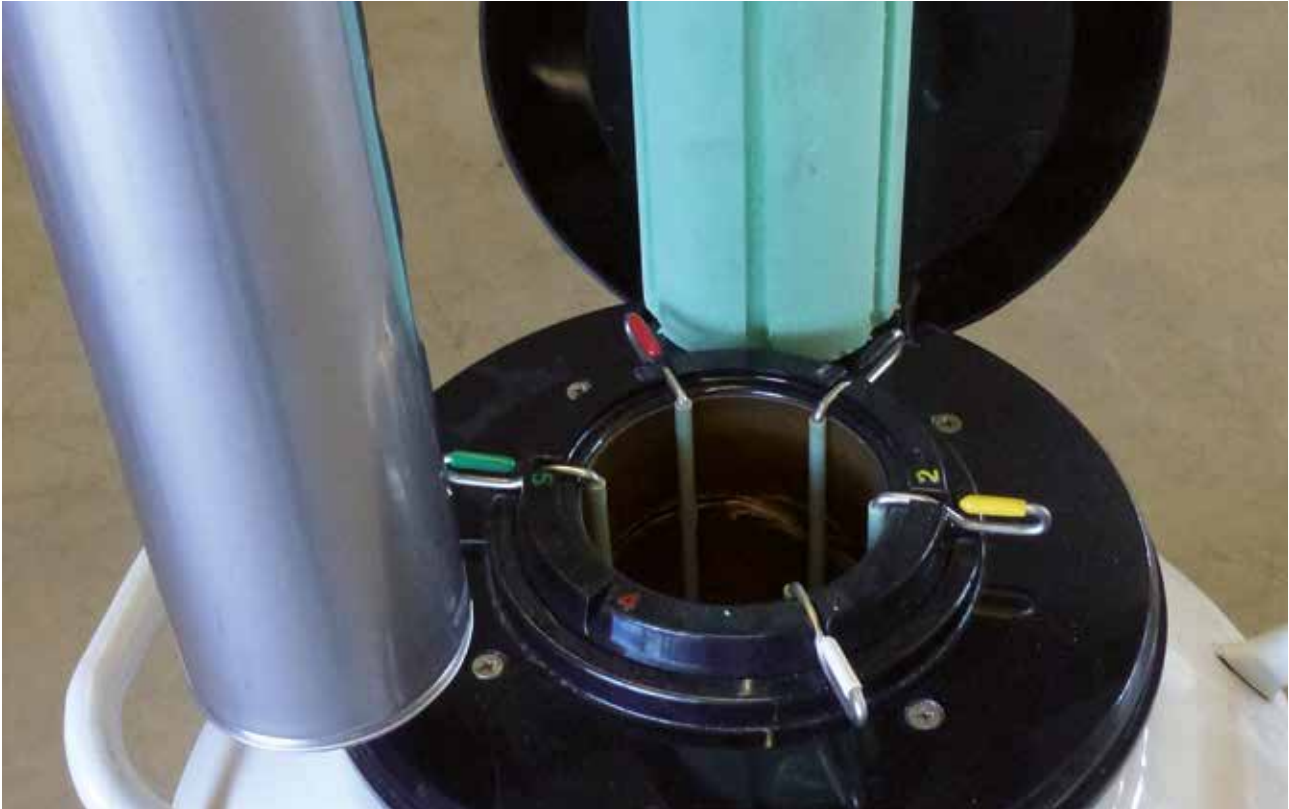
>> Lithium - Battery – Logistic

Automotive Li-Ion Batteries



>> Lithium - Battery – Logistic

>> List of Category A



Classification guidelines

UN2814 infectious substances, dangerous for human:

- > Bacillus anthracis (cultures only)
- > Brucella abortus (cultures only)
- > Brucella melitensis (cultures only)
- > Brucella suis (cultures only)
- > Burkholderia mallei – Pseudomonas mallei-Glanders (cultures only)
- > Burkholderia pseudomallei-Pseudomonas pseudomallei (cultures only)
- > Chlamydia psittaci – avian strains (cultures only)
- > Clostridium botulinum (cultures only)
- > Coccidioides immitis (cultures only)
- > Coxiella burnetii (cultures only)
- > Crimean-Congo hemorrhagic fever virus
- > Dengue virus (cultures only)
- > Eastern equine encephalitis virus (cultures only)
- > Escherichia coli, verotoxigenic (cultures only)
- > Ebola virus



>> List of Category A

>> Price List for Temperature Logger

Article	Description	Quantity	Price
X2-3002-USB	Available wireless USB & electric temperature switch (recording 16 million times / from -40°C to +85°C / ISO9000, EN12830)	From 1000 pcs From 100 pcs From 10 pcs	29,80 € / pc 36,50 € / pc 42,00 € / pc
X2-8002	Logic one-way NFC temperature logger for smartphones; Same specifications for NFC devices (no USB, NFC only until Dec. 2012)	From 100 pcs From 10 pcs	36,50 € / pc 42,00 € / pc
Miscellaneous products	Google Nexus 7 Tablet – NFC-enabled; OPTIONAL https://play.google.com/store/devices/details/Nexus_7_8	1 pc	300 €
Miscellaneous products	Google Nexus mobile phone – NFC-enabled; OPTIONAL Unlocked for world-wide operation	1 pc	600 €



>> Price List for Temperature Logger

>> Cryo Transport Container for UN3373

Article description	Unit price
One-way Cryo transport container <ul style="list-style-type: none"> - No airfreight - Road transport to -150°C - ADR 	696,00 Euro / pc
Reusable IATA Cryo transport container <ul style="list-style-type: none"> - To -200°C - Suitable for airfreight 	5.596,80 Euro / pc
Transport flat rate	125,00 Euro / pc

The volume is calculated per m3 with a chargeable weight of 167 kg.

We work exclusively in accordance with the latest version of the General German Freight Forwarders' Conditions (ADSp).

These ADSp limit in Section 23ADSp the liability for property loss or damage under §431 HGB (German Commercial Code) for goods in the forwarder's custody to € 5 per kg, in case of multimodal transports including sea transport to 2 SDR/kilogram and further per damage or event to € 1 million respectively € 2 million or 2 SDR/kilogram whichever is greater.



>> Cryo Transport Container for UN3373

>> Temperature Data Loggers USB PDF RFID ME® X2

Our ME-Logger is the world's first and only RFID&USB temperature recorder, available as one-way or reusable unit with or without USB-cable, with or without external sensors. They are more accurate, more reliable, easier to use and provide automatic report output via PDF. This will reduce the time you spend on it, effort, work, cost and electronic waste. Our loggers are form-factor neutral and can be connected as 'plug-and-play' to your packaging or to any PC's.

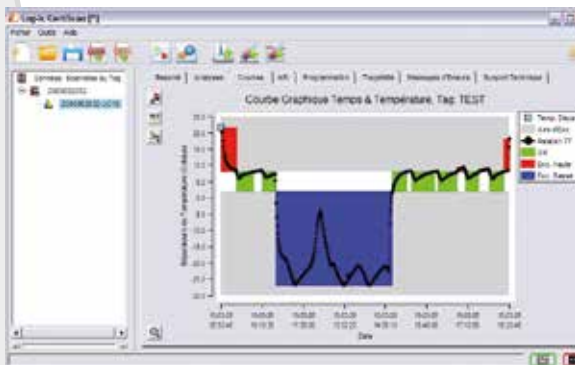


Our unique solution records and recognizes all trips, even between 2 recording intervals and offers a clear and clean reporting system.

Our user-friendly software is available in 11 different languages which provide you a cost-effective, worldwide data management for all your important consignments.

X2 never sleeps!

We offer you exclusive recording solution

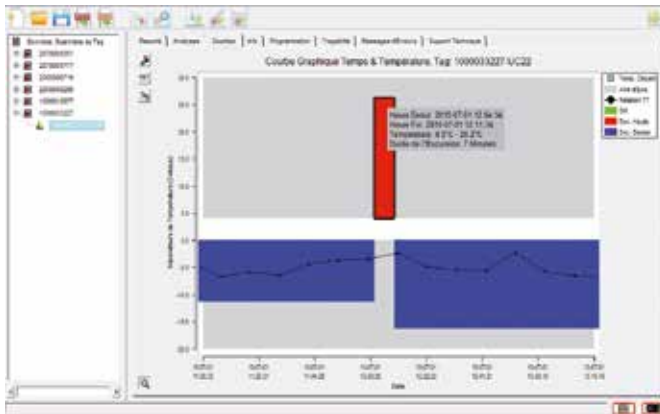


Our software transforms the tag information immediately in a simple, clear, user-friendly temperature curve. All temperature changes or misapplication can be recognized via the provided information or report output. You only need to plug in our tag via USB.



X2 never Sleeps!- Error Prediction
USB PDF RFID ME® X2

>> Temperature Data Loggers USB PDF RFID ME® X2



Did you know?

The presented curve connecting the individual intervals does not stand for the temperature of the intervals.

What happens if other sensors shut down?

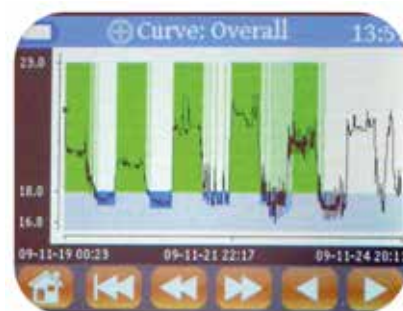
X2 still monitors everything.

Download and install the free web-based software, so you can connect the X2 stick to your system and receive automatically the PDF-reports.

Printing a report only takes 20 seconds or even less!

The wireless RFID revolution: a stick that you can read, analyze, start, stop and evaluate without having to break official seals or open boxes.

- > Discover every error transmission
- > Coordinated with your transit companies, customs agents and brokers
- > Capture field trips without having to rely on the temperature inertia of a sealed box to meet & download, start, stop and analyze all temperature recorders
- > Supply 2000 recorders and more
- > Plug - and - play USB - data synchronization with PCs
- > Passive 13. 56 - - RFID: very low wattage,
- > FAA and FDA approved



An available, reusable stick, with option for scanning and downloading data at any stage of the cooling chain in order to have better overview, understanding and control

Segment and control of your cooling chain: improved safety, better tracing, reduced obligation, higher investment income.

>> X2 Stick - RAD Revolution USB PDF RFID ME® X2

>> Postcard Program USB PDF RFID ME®



Specifications

Our X2 postcard program is a cost-effective solution for world-wide temperature studies.

Ask your end-user to send pre-paid postcards.

- > Reduce your power consumption in all locations
- > The postcard is pre-paid, available in various options and in 177 countries of the World
- > Quick, easy, distant and web based data management will be offered
- > Easy to operate with ON / OFF button, printed instructions

X2 is a flexible, developing solution. It provides brilliant answers for cooling chain problems

Ornamental belt examination solution, ideal for dry ice shipments:

- > Record temperatures between - 85°C and 105°C
- > 100 % - form factor neutral,
extremely resistant to shocks and impacts is 100 % waterproof
- > Unique RFID and USB data download system that allows you to download
the temperature of preloaded parcels to control



>> Decorative Ribbon Investigation Solution

>> Specifications USB PDF RFID ME®

	ME – X2
Temperature range	From -40°C to +75°C
Accuracy	+/- -0,5°C from -30°C to +50°C
Sensor response time (+/- 5°C range)	90% in 1 min
Sensor reaction time (+/- 5°C coverage)	4000 points & 16.000.000 pole pairs
Programmable warning	(in time / temperature)
Delayed activation / manual start	Up to 8 different warning signals / warning areas
Duration of recording (graphic representation)	Available via pushing the button /
Tracking system for data storage (16.000.000)	Delay up to 255 minutes possible
Dimensions	1 to 255 minutes
Nutzungsdauer	Recording of all temperatures and time stamp every minute for 3 years
IP Klassifizierung	2 in x 2 in x 1 / 10th in – 9 gram
Operating life	Various, up to 3 years
IP classification	IP68, water resistant
Suspension	CE, ROHS, OMS PQS, EN12830, FDA, ISO, NIST certificate and calibration available
Free software	Web download



>> Specifications USB PDF RFID ME®

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