



Standard Operating Procedure (SOP)  
Terminal Services

Version 1.0 – January 2020

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## 1. Introduction

Hutchison Ports Duisburg provides container terminal services as well as auxiliary services. This document describes the Standard Operating Procedures (SOP) according to which the services are offered.

This document provides insight to our operations, processes, procedures and contact details and is updated and reviewed on regular basis. In case no deviations are agreed in written, this SOP is applicable in its full extend.

This document should be read in conjunction with other relevant rules, conditions and regulations that are applicable at Hutchison Ports Duisburg, i.e. the ISPS Code, AEO Regulations, Terminal Regulations, Traffic Regulations and the ADSp.

## 2. General Information

### 2.1. Contact details

Trade name:	Hutchison Ports Duisburg
Chamber of commerce:	DeCeTe Duisburger Container-Terminalgesellschaft mbH
Phone:	+49 (0)203 80 90 60 (during office hours) +49 (0) 163 80 90 156 (during operational hours)
Email:	<a href="mailto:tpc@decete.de">tpc@decete.de</a> (Terminal Planning & Control)
Websites:	<a href="http://www.decete.de">www.decete.de</a> / <a href="http://www.hutchisonportsduisburg.de">www.hutchisonportsduisburg.de</a>
Visiting address:	Office: Stahlinsel 9, 47138 Duisburg Gate In: Alte Ruhrorterstrasse 20-22, 47119 Duisburg
ISPS:	22.07.01-DU17
AEO-F:	DE/AEOF/115867

Public information according to §§ 8a and 11 Störfallverordnung (12.BImSchV) is available on our website [www.hutchisonportsduisburg.de](http://www.hutchisonportsduisburg.de).

Refer to the contact sheet on our website for a detailed telephone and email list:  
[www.hutchisonportsduisburg.de](http://www.hutchisonportsduisburg.de).



## 2.2. Working hours

Barge handling		24/7
Rail handling		24/7
Truck handling		Monday 06:00h – Saturday 06:00h 24h/day
Office hours		
	Terminal Planning & Control	Monday – Friday 05:30h – 18:30h
	Gate	Monday – Friday 05:00h – 21:45h
	Gate (DIYD)	Monday – Saturday 05:00h – 05:45h
	Depot	Monday – Friday 08:00h – 16:15h
	Container Repair	Monday – Friday 06:00h – 15:30h
Others		Weekends and national holidays open on request and availability. Surcharges apply.
Request of barge/rail timeslot		2 days before day of arrival (ETA - 48hrs)
Confirmation of barge/rail timeslot		1 day before day of arrival (ETA – 24hrs)
Data closing – export containers (all documents)		D-1 13:00h (16h prior to dispatch)
Cargo closing – export containers present at terminal:		D-1 17:00h (12h prior to dispatch)
Openings hours during holidays		<p>Terminal and office is closed during the following national holidays.</p> <ul style="list-style-type: none"> <li>- Christmas 24.12 14:00h until 27.12 06:00h</li> <li>- New Year 31.12 14:00h until 02.01 06:00h</li> </ul> <p>Terminal and office is closed during the following national holidays. Rail and barge handling possible only on request and availability. Surcharges apply. Operations stop from 22:00h prior to the national holiday and restart 06:00 h after the national holiday. Gate closes 45 minutes before operation stops.</p> <p>National holidays are:</p> <ul style="list-style-type: none"> <li>- Good Friday</li> <li>- Eastern (1<sup>st</sup> and 2<sup>nd</sup>)</li> <li>- Pentecost (1<sup>st</sup> and 2<sup>nd</sup>)</li> <li>- 1<sup>st</sup> of May</li> <li>- Ascension Day</li> <li>- Corpus Christi</li> </ul>

### 2.3. Terminal figures

Area:	17,9ha
Hafen:	Rhine, Vinckekanal km 780,76
Quai length:	800m
Quai draught:	Depending on actual water level of River Rhein, Pegel Ruhrort Refer to <a href="http://www.elwis.de">www.elwis.de</a>
Railtracks:	2 x 750m (accessible via DB Netz Station Duisburg Meiderich track 241)
Stack capacity:	16.600 TEU
Portal cranes:	3
Reachstacker:	4 + 1 backup
Empty handler:	4
Terminal trucks:	6
Max. SWL	41t
Sizes	20ft-30ft-40ft-45ft, off-standard on request only



## 3. Truck handling

### 3.1. Terminal Access

Access to and from the Hutchison Port Duisburg is controlled by Cargo Card (Supplier: Secure Logistics). Drivers are required to show proof of identity with their Cargo Card and proper documents to gain access to the terminals.

Terminal access consist of three checkpoints:

- The Gate In where drivers check in by Do-It-Yourself-Desk (DIYD) or report at the counter. Terminal time starts at the moment the driver check himself in.
- At the gate-in barrier the TOS registers the gate in move of the container.
- At the gate-out barrier the TOS registers the gate out move of the container.

A Cargo Card can be requested online at:

[https://www.secure-logistics.nl/en\\_GB/solutions/cargocard/apply-for-a-cargocard/](https://www.secure-logistics.nl/en_GB/solutions/cargocard/apply-for-a-cargocard/)

Cargo Cards that have been received from Secure Logistics can be activated at the pre-gate area.

Truck drivers who cannot present a valid Cargo Card at the Gate In are offered the option to buy a single trip card at the counter, which is valid for one truck visit only. Payment only by valid (European) credit- and debit cards.

Enquiries via [gate@decete.de](mailto:gate@decete.de)

### 3.2. Booking procedure (truck visit during Gate In opening hours)

A valid and confirmed booking must be made in order to collect or drop a container by truck at our terminal. This can be done by mail ([tpc@decete.de](mailto:tpc@decete.de)) or by EDI. The information should at least contain:

- Unit number
- Unit type (ISO code)
- Unit size
- Reference number
- IMO/ADR/RID class
- Nett weight of the unit
- Cargo

Please refer to our online container status service to check if the container is released for pickup.

### 3.3. Booking procedure (truck visit outside Gate In opening hours)

During night-time (22:00h – 06:00h), truck visits are possible only with a pre-notification, Cargo Card and DIYD. At latest 16:00h prior to the night of the truck visit an application form should be filled out and send to [gate@decete.de](mailto:gate@decete.de) (refer to appendix A).

Only after written confirmation of an order the truck driver can visit the terminal. Please refer to our online container status service to check if the container is released for pickup.

Please note that no hazardous cargo (ADR) can be dropped off or collected during night-time. Containers containing waste on request only (documents must be issued electronically in advance).

### 3.4. Gate-in

The truck driver enters the premises and parks the truck at the truck buffer. Please note the specific lanes for empty and full containers.

All empty (depot) containers are checked by our checkers according to the IICL Standard (visual and photographs). For this, on request, the driver has to open the doors of the container. Only the first truck in the row will be checked because of safety matters.

For both full and empty tank containers a registration form needs be filled out by the driver and checker that shall be presented at the counter.

Flat containers will be checked by the checker for handlings with twist locks and if the cargo is secured properly. In case of doubt, the driver has to present a lashing document. If cargo is not secured properly the container may be refused.

At the Gate In the truck driver can register himself at the DIYD or at the counter.

A valid reference has to be presented at the Gate In. Without a valid reference a container cannot be dropped off, unless the trucking company has a valid "Temporary Storage"-facility at our terminal. Please refer to our "reference check" service at our website to verify the container has been released prior to the truck visit.

Containers and trucks are overlooked by CCTV at the Gate In.

### 3.5. Do it yourself desk (DIYD)

At the DIYD the truck driver can check and register the truck visit for:

- Picking up or dropping an empty container
- Picking up or dropping a full container

The DIYD will guide the truck driver through the process after which a route plan with driving directions is printed. The truck driver proceeds to the gate-in barrier.

Containers containing ADR/IMO goods or waste cannot be processed at the DIYD and are processed only at the counter. Also (empty or full) tank containers can only be processed at the counter.

No customs formalities are processed or checked at the DIYD. Customer and/or driver must at all times take care of any and all import and export formalities and customs formalities with respect to the container and is responsible to fulfil all obligations resulting out of these formalities.

### 3.6. Counter

The truck driver reports himself at the counter, handing over the information required (refer to the booking procedure) and/or ADR/waste documents.

The gate employee will verify driver's ADR-license, ADR-equipment and ADR-transport document. Failing ADR/IMO stickers can be obtained at the counter.

No customs formalities are processed or checked at the counter. Customer and/or driver must at all times take care of any and all import and export formalities and customs formalities with respect to the container and is responsible to fulfil all obligations resulting out of these formalities.



### 3.7. Gate-in barrier

Truck drivers can only physically enter the terminal if the Gate In process has been completed successfully. The truck driver presents the Cargo Card to the pedestal and access is gained to the premises.

### 3.8. Container yard

Arriving at the determined location on the yard, the truck is identified by the reach truck driver by the truck license number. After the container is loaded or unloaded the truck driver can proceed to its next location (showed at the route plan) or proceed to the gate out barrier.

### 3.9. Gate-out barrier

The truck driver presents the Cargo Card to the pedestal and can leave the terminal premises. A gate out is registered in the TOS at the moment the Cargo Card is accepted.

An interchange is registered electronically in the TOS, that can be send by email upon request via [tpc@decete.de](mailto:tpc@decete.de).

Containers and trucks are overlooked by CCTV at the gate out barrier.

## 4. Barge handling

The barge operator shall send a complete barge call request to [tpc@decete.de](mailto:tpc@decete.de) at least 48 hours prior to the estimated time of arrival (ETA) at Hutchison Port Duisburg.

The barge call request has to include the following information:

- Operator
- Barge name
- Barge contact details
- Call Sign
- ETA/ETD
- Move Count
- Complete list of container numbers including (per container):
  - size-type (ISO)
  - Full/empty
  - Origin / destination
  - total weight
  - IMO / UN / ADR information
  - Reefer connection required on terminal Y/N
  - Damaged Y/N

Requests for barge calls during weekdays shall be send at latest 48 hours before desired timeslot. Confirmation of timeslots at latest 24h before ETA barge.

Requests for barge calls during weekends (Saturday 06:00h until Monday 06:00h) shall be send at latest 48 hours before desired timeslot or at latest Thursday 12:00h (earliest moment applies). Request is based on availability and will be confirmed at latest Friday 12:00h.

Request for barge calls during national holidays shall be send at latest 7 days prior to the national holiday. Request is based on availability.

A stowage plan must send per email during office hours and at latest ATA rail – 3h to [platzmeister@decete.de](mailto:platzmeister@decete.de).

All empty containers will be checked according to the IICL standards (refer to Depot/Repa Section).

No customs formalities are processed or checked by our dispatchers. Customer and/or operator must at all times take care of any and all import and export formalities and customs formalities with respect to the container and is responsible to fulfil all obligations resulting out of these formalities.

## 5. Rail handling

Please check our website for the latest procedure according to the European Regulation 2017/2177. [www.decete.de](http://www.decete.de)

The rail operator shall send a complete train call request to [tpc@decete.de](mailto:tpc@decete.de) at least 48 hours prior to the estimated time of arrival (ETA) at Hutchison Port Duisburg.

The train call request has to include the following information:

- Operator
- Train contact details
- Train length
- Call Sign
- ETA/ETD
- Move Count
- Complete list of container numbers including (per container):
  - size-type (ISO)
  - total weight
  - IMO / UN / ADR information
  - Reefer that has to be connected

Requests for train calls during weekdays shall be send at latest 48 hours before desired timeslot. Confirmation of timeslots at latest 24h before ETA train.

Requests for train calls during weekends (Saturday 06:00h until Monday 06:00h) shall be send at latest 48 hours before desired timeslot or at latest Thursday 12:00h (earliest moment applies). Request is based on availability and will be confirmed at latest Friday 12:00h.

Request for train calls during national holidays shall be send at latest 7 days prior to the national holiday. Request is based on availability.

A stowage plan must send per email during office hours and at latest ATA rail – 3h to [platzmeister@decete.de](mailto:platzmeister@decete.de).

All empty containers will be checked according to the IICL standards (refer to Depot/Repa Section).

No customs formalities are processed or checked by our dispatchers. Customer and/or operator must at all times take care of any and all import and export formalities and customs formalities with respect to the container and is responsible to fulfil all obligations resulting out of these formalities.

## 6. Storage

Storage of containers is overall coordinated by the Terminal Planning & Control department ([tpc@decete.de](mailto:tpc@decete.de)). Within this department, the following sub departments reside:

- Quay-, rail track- and stack planning (TPC)
- Depot
- Container Repair

### 6.1. Full containers

#### 6.1.1. Non-hazardous Cargo

Full containers are stored at our yard in Südhafen according to the AEO and ISPS regulations. The area is controlled by fences, CCTV and barriers.

#### 6.1.2. Hazardous Cargo (ADR/IMO)

Hutchison Ports Duisburg can store hazardous goods containers in a dedicated depot on request. The possibility to store hazardous goods containers needs to be checked and approved at latest 2 hours before ETA (during office times TPC) .

The terminal will not accept the following hazardous good classes:

- Class 1, except for Subdivision 1.4
- Class 6.2
- Class 7

Hazardous goods labels can be purchased at the gate-in.

#### Intermodal containers

Transport bound containers can be handled and reside on the terminal up to a maximum of 24 hours. Outbound containers shall be dropped off at earliest 24 hours before ETA barge or train. Inbound containers have to be picked up at latest 24 hours after ATD barge or train.

Hutchison Ports Duisburg explicitly excludes liability for the timely pickup or drop off of containers. Customers will be informed when containers reside longer than 24 hours on our terminal. For containers that reside longer than 24 hours on our terminal, Hutchison Ports Duisburg reserves the right to transfer the container to its Dangerous Goods Area (DGA) without prior notice. Surcharges apply.

Allowed:

- IMO Class 1.4 S (except Class 1)
- IMO Class 2
- IMO Class 3
- IMO Class 4.1
- IMO Class 4.2
- IMO Class 4.3
- IMO Class 5.1
- IMO Class 5.2 (on request / limited, organic Peroxide)
- IMO Class 6.1
- IMO Class 8
- IMO Class 9

Not allowed:

- IMO Class 1
- IMO Class 6.2
- IMO Class 7

### Dangerous Goods Area (DGA)

Within the DGA containers contain hazardous cargo can be stored (longer than 24 hours). Storage of these containers is subject to availability and subject to limitations concerning UN-Number and amount. Please contact Terminal Planning & Control for the latest availability. Storage within the DGA is restricted to a maximum of 34 20ft slots and the UN list according to appendix B.

### 6.1.3. Waste

Containers containing waste with the following European Waste Codes (EWC) can be handled at Hutchison Ports Duisburg.

15 01 02 Plastic packaging  
19 12 10 combustible waste (refuse derived fuel)  
19 12 12 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11  
07 02 13 Plastic waste  
15 01 01 Packaging made from paper and cardboard  
19 12 01 Paper and cardboard  
20 01 01 Paper and cardboard  
16 01 19 Plastic  
17 02 03 Plastic  
19 12 04 Plastic and rubber  
20 01 39 Plastics

The following restrictions apply:

- Only transport bound storage of 24 hours maximum
- Maximum of 64 handlings in total per calendar day
- Handling of maximum of 1.600 tonnes per day

Please contact Terminal Planning & Control prior to shipping to verify the availability of waste handling.

### 6.2. Empty containers

Transport bound empty containers are stored in our yard at Alt-DeCeTe or Südhafen. Inquiries related to empty containers via [tpc@decete.de](mailto:tpc@decete.de).

Empty containers stored in a depot are stored in our yard in Alt-DeCeTe or Kaiserhof. These areas are not entirely controlled by fences or barriers. Inquiries related to depot containers via [depot@decete.de](mailto:depot@decete.de).

### 6.3. Interim Storage

Hutchison Ports Duisburg offers the opportunity to clients to have a dedicated interim storage facility. This enables (truck) operators to drop off containers although a booking has not been verified completely (e.g. reference is missing) or (truck) operators need to have a container temporarily stored for later pickup. Containers can be picked up again by truck or Hutchison Ports Duisburg, by order of the (truck) operator, can facilitate the transfer to the appropriate stack including the administrative process required.

The container remains under the supervision and control of the (truck) operator until all information required has been handed over to Hutchison Ports Duisburg and the administrative process has been completed. Hutchison Ports Duisburg accepts no liability whatsoever (e.g. detention). On request, Hutchison Ports Duisburg can send a list of containers present in the temporary storage to the (truck) operator.

## 7. Depot, Container Maintenance & Repair

### 7.1. Depot

Empty containers can be stored in depot at Hutchison Ports Duisburg. Our Terminal Planning & Control employees are able to monitor stock levels and manage FIFO of containers.

### 7.2. Container Maintenance & Repair

Our M&R Department ([repa@decete.de](mailto:repa@decete.de)) at Hutchison Ports Duisburg offers a complete depot service. The services include:

- Repair of box containers including the supply of materials required
- Sweeping of containers
- Cleaning of containers
- Labelling of containers
- Seal replacement
- Removal of equipment in GOH containers
- Equipping or removal of containers with flexi tanks including waste disposal

All inbound empty box containers coming in by truck, rail or barge are checked by skilled checkers according to the IICL and ACEP standards (note: tank containers, reefers and flats are not checked for M&R purposes). Containers are also checked for compliance to flexi tank standards but are not checked for compliance to food grade standards.

After a container has been checked, a cost estimate of the repairs required is send to the customer (per mail or EDI). After written approval of the estimate the container is repaired and then transferred to the empty depot.

Also on request we can facilitate PTI and repair of reefers. Please contact our M&R Department for further inquiries.

## 8. Local trucking

Hutchison Port Duisburg can provide local trucking services for the transport of containers to or from a location near the terminal (typically up to 10km). Services are offered 24/5 and during weekends based on request and availability, either as a shuttle service or per single trip.

An order shall be placed at latest 24h before ETA chassis at warehouse at the Terminal Planning & Control department with the following information:

- Address
- Container number
- Type/size
- Date and time of pickup/delivery
- Reference number if applicable

Our standard service includes:

- Docking of the chassis backwards at an (un)loading dock at the warehouse
- Doors closed and sealed

Upon request of the warehouse manager, doors can be opened (in presence of a warehouse employee) prior to docking the chassis when the following criteria are met and accepted in written:

- The warehouse facilitates our driver to work according to the local labour conditions legislation (e.g. drivers may not open doors of the container on a chassis when standing on ground level)
- Prior to opening of the container the seal is checked by an employee of the warehouse
- The warehouse indemnifies Hutchison Ports Duisburg from all liability in case of damages to container or cargo when driving backwards
- The warehouse indemnifies Hutchison Ports Duisburg from all liability that may result from customs formalities

## 9. Auxiliary Terminal Services

Several auxiliary services are offered at Hutchison Port Duisburg. On request services can be tailor-made; please contact the commercial department for inquiries ([decete-sales@decete.de](mailto:decete-sales@decete.de)).

### 9.1. Shifting of containers

On request shifting of containers is possible on truck, barge or train. Shifting container means repositioning of containers on the same truck, barge or rail wagon set.

### 9.2. Missing seals and labels

Hazardous goods labels and seals can be purchased at the gate-in.

### 9.3. Off-standard handling

On request, handling of off-standard containers is possible (rail, barge and truck). Inquiries via [tpc@decete.de](mailto:tpc@decete.de).

### 9.4. Weighing of containers (VGM/SOLAS)

Containers can be weighed to determine the Verified Gross Mass (VGM) according to the SOLAS regulation. A weighing order should be included in the booking. After weighing a certificate (PDF) is sent per email to the customer.

It is not possible to weigh non-intermodal containers (e.g. truck in – truck out).

### 9.5. Reefer containers

Reefers slots are available on request to accommodate storage of live reefers and depending on current availability (will be verified upon order). A request must at least contain the following information:

- Number of reefers and container numbers
- Desired storage duration including ETA and ETD terminal
- Settings

Upon connection and disconnection of the reefer to the reefer slot the setting is checked to the actual reading and logged by Hutchison Ports Duisburg. A report shall be send to the customer by email. In case of a power outage the client is informed promptly and Hutchison Ports Duisburg will await further instructions. Monitoring of a connected reefer is not part of our standard service and could be made available on request for which a customer specific SOP will be drafted.

### 9.6. Gas measurement and fumigation (N/A for Duisburg)

Hutchison Port Venlo facilitates gas measurement and fumigation services for all third parties. The company of your choice can contact us for further inquiries regarding the conditions. Due to space constraints, this service is provided only at the rail terminal. On request, a container can be shunted from barge to rail terminal.

Orders shall be placed directly to the third party and shall be communicated to Hutchison Ports Venlo ([tpc@tctvenlo.nl](mailto:tpc@tctvenlo.nl)) at least 24 hours prior to arrival of the train or barge at the terminal. If the order is not known 24 hrs before ETA surcharges apply to cover additional handling. The order shall at least contain the container number and ETA and ETD of the container.

Please note that *degassing* of containers is not permitted (e.g. containers in which gas has been injected to kill bugs).



### 9.7. Removal or equipping of stowage material (e.g. GOH, flexi tank containers)

Hutchison Port Duisburg provides services for equipping or removal of stowage material from containers (e.g. Garments On a Hanger, Flexitanks). A work order shall be placed at least 5 days in advance to [repa@decete.de](mailto:repa@decete.de).

### 9.8. Online services

It is possible to check the status (e.g. release status) of a container prior to a visit to Hutchison Ports Venlo in order to verify the container is available for pickup, through our online service:

<https://status.hutchisonportsduisburg.de/>

### 9.9. Electronic Data Interface (EDI)

Upon request a tailor-made EDI connection can be realized in multiple programming languages (e.g. EDIFACT, XML/EDIFACT, JSON) to facilitate swift order processing and information exchange.

Amongst others, the following messages can be facilitated: APERAK, CODECO, COEDOR, CONTRL, COPARN, COPINO, COREOR, DESTIM, GATEIN, GATOUT, IFTMIN, IFSTA, MERC+, WESTIM, XML.

### 9.10. Payment

Services booked prior to a visit to the terminal are invoiced digitally (PDF). Services requested during a visit to the terminal shall be paid immediately by means of credit/debit card (no cash is accepted).

## 10. Additional Information

### 10.1. General procedures and regulations

Procedures are in place to mitigate foreseen and unforeseen situations, such as:

- (Thunder)storms
- Flood calamity
- Emergencies / calamities
- ADR/IMO
- Port Facility Security Plan

In addition, Hutchison Ports Duisburg has to comply with the following regulations:

- AEO
- ISPS
- Störfallverordnung (12. BImSchV)

Please note that in case of (un)foreseen situations and to comply with the regulation, measures have to be effected that may have an impact on terminal operations.

### 10.2. Terminal Rules

The Hutchison Ports Duisburg Terminal Rules, available through [www.decete.de](http://www.decete.de), are applicable on the entire premises. Hutchison Ports Duisburg withholds the right to refuse access to the terminal in case of failure to comply with these regulations.

### 10.3. Claims

Claims are to be sent to [claims-du@decete.de](mailto:claims-du@decete.de) after which the claim will be reviewed. Only after written confirmation of our claim department (including unique claim number) an invoice can be sent to Accounts Payable. Invoices on which a claim number is missing will not be processed.

### 10.4. Privacy policy

Please refer to [www.decete.de](http://www.decete.de) to obtain the latest version of our privacy policy.

## Appendix A: Night-time truck handling application form

### NIGHT PRE-NOTIFICATION

**A VALID EXPORT- / IMPORTBOOKING  
OR DEPOTADVISE / -RELEASE IS REQUIRED**

Client name: \_\_\_\_\_  
 Date of truck visit: \_\_\_\_\_  
 to be announced until: Monday - Friday 16:00 h  
 Valid from: Monday - Friday 22:00 - 06:00 h  
 Mail this form to: [gate@decete.de](mailto:gate@decete.de)

	DETAILS FOR PICK UP	DETAILS FOR DROPPING
Unitnumber:	1.	1.
	2.	2.
	3.	3.
Size 20' / 30' / 40' / 45':	1.	1.
	2.	2.
	3.	3.
Type ISO Code:	1.	1.
	2.	2.
	3.	3.
Reference:		
Owner (empty):		
Trucking Company:		
Drivers name:		
Cargo Card ID:		
License plate truck:		

Name: \_\_\_\_\_

INTERNAL REMARKS HUTCHISON PORTS DUISBURG	
Check, accepted:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Internal remarks:	
Booking released:	

*Not possible to pick up or drop off IMO / ADR / RID units from 22:00 - 06:00 h.  
 Agreements by phone / Announcements after 16:00 h will not be accepted.  
 Complaints and damages can not be handled within this times - No management personnel available within these hours.  
 Missing advises / Deviation from the procedure, which will occur problems within these hours will be at the responsibility of the client.*

## Appendix B: List of UN-Numbers allowed in the DGA

As of 11-10-2016

UN.-Nr. für Beispiel	Lfd. Nr.	Bezeichnung UN-Nummer	genehmigter Stoff / Zubereitung zur Lagerung	Systematische Bezeichnung für gewähltes Beispiel	Beispielhafter Handelsname (aus Ursprungsdatei)	Max. Lagermenge int.	Anhang I zur StörfallIV Nr.	Gefahrenmerkmal	WGK	VCI-Lagerklasse	H- Sätze	Einstufung KAS 1b/Seveso III	Gefahrgut Klasse ADR	TRGS 510 Lagerklasse (Ersatz seit 2010 für VCI-Leitfaden)
1090	50	Aceton	Aliphatische und cycloaliphatische Ketone	Aceton	Aceton	224	-	Xi, F	1	3A	225, 319, 336	P5c	3	LGK 3
1093	10	Acrylnitril, stabilisiert	Carbonsäurenitrile	Acrylnitril	Acrylnitril	198	7b, 2	F, T, N	3	3A	225, 350, 331, 301, 361, 335, 315, 318, 317, 411	P5c, H2, E2	3	LGK 3
1105	30	Pentanole	n-Amylalkohol		n-Amylalkohol	224	-	Xn	1	3A	226, 332, 315, 319, 335	P5c	3	LGK 3
1106	6	Amylamin	Aliphatische Amine		Amylamin	224	-	F, C*	1	3A	225, 302, 312, 314	P5c	3	LGK 3
1114	11	Benzen	Benzol	Benzol	Benzol	198	2	T, F	3	3A	225, 304, 315, 319, 340, 350, 372, 412	P5c	3	LGK 3
1120	33	Butanole	n-Butanol	n-Butanol	n-Butanol	224	-	Xn	1	3A	226, 302, 318, 315, 335, 336	P5c	3	LGK 3
1120	41	Butanole	tert-Butylalkohol	2-Methyl-propanol-2	tert-Butylalkohol	224	-	Xn	1	3A	226, 302, 318, 315, 335, 336	P5c	3	LGK 3
1120	65	Butanole	Butanol		Butanol	224	-	F, Xn	1	3A	226, 302, 318, 315, 335, 336	P5c	3	LGK 3
1123	66	Butylacetate	normal-Butylacetat		normal-Butylacetat	224	-		1	3A	226, 336	P5c	3	LGK 3
1127	67	Chlorbutane	1-Chlorbutan		1-Chlorbutan	224	-	F	2	3A	225	P5c	3	LGK 3
1135	76	Ethylenchlorhydrin	Epichlorhydrin		Epichlorhydrin	198	2	T	3	3A	226, 301, 311, 314, 317, 350	P5c, H2	3	LGK 3
1148	90	Diacetonalkohol	Diacetonalkohol		Diacetonalkohol	224	-	Xi	1	3B	226, 319	P5c	3	LGK 3
1157	51	Diisobutylketon	Aliphatische und cycloaliphatische Ketone	Diisobutylketon	Diisobutylketon	224	-	Xi	1	3A	226, 335	P5c	3	LGK 3
1157	78	Diisobutylketon	Diisobutylketon		Diisobutylketon	224	-	Xi	1	3A	226, 335	P5c	3	LGK 3
1159	58	Diisopropylether	Diisopropylether		Diisopropylether	224	-	F	1	3A	225, 336	P5c	3	LGK 3
1170	21	Ethanol	Ethanol	Ethanol	Ethanol Spiritus	224	-	F	1	3A	225, 319	P5c	3	LGK 3
1173	63	Ethylacetat	Ethylacetat		Ethylacetat	224	-	F, Xi	1	3A	225, 319, 336	P5c	3	LGK 3
1193	52	Ethylmethylketon	Aliphatische und cycloaliphatische Ketone	Ethylmethylketon	Ethylmethylketon	224	-	F, Xi	1	3A	225, 319, 336	P5c	3	LGK 3
1198	106	Formaldehydlösung, entzündbar	Formaldehyd in flüssigen Zubereitungen, insbesondere wässrigen, mit Methanol stabilisierten Lösungen	Formaldehyd	Formaldehyd	198	2	T	2	6.1 A	301, 311, 331, 314, 317, 335, 341, 350, 370	14	3	LGK 3

1203	46	Benzin oder Ottokraftstoff	Benzine	Ottokraftstoff	Ottokraftstoff	224	13	F+,T	3	3A	224, 304, 315, 336, 340, 350, 361, 411	34	3	LGK 3
1208	32	Hexane	n-Hexan		n-Hexan	224	-	F, Xn, N	1	3A	225, 361f, 304, 373, 315, 336, 411	P5c, E2	3	LGK 3
1219	48	Isopropylalkohol	Aliphatische Alkohole außer Methanol		Isopropanol	224	-	Xi, F	1	3A	225, 319, 336	P5c	3	LGK 3
1221	5	Isopropylamin	Aliphatische Amine		Isopropylamin	224	8	F+, Xi	2	3A	224, 301, 311, 331, 314, 318	P5a, H2	3	LGK 3
1223	75	Kerosin	Düsenkraftstoff		Düsenkraftstoff	224	-	Xn	1	3A	226, 304, 315, 336, 411	34	3	LGK 3
1247	82	Methylmethacrylat	Methylmethacrylat monomer, stabilisiert		Methylmethacrylat monomer, stabilisiert	224	-	F, Xi	1	3A	225, 315, 317, 335	P5c	3	LGK 3
1261	68	Nitromethan	Nitromethan		Nitromethan	224	-	Xn	2	3A	226, 302	P5c	3	LGK 3
1263	15	Farbe oder Farbzubehörfstoffe	Butylacetat	Lösemittelgemisch	Leitlackverdünner	224	-	-	2	3A	226, 336	P5c	3	LGK 3
1274	35	n-Propanol	Aliphatische Alkohole (außer Methanol)		n-Propanol	224	-	F, Xi, Xn	1	3A	225, 318, 336	P5c	3	LGK 3
1280	9	Propylenoxid	Propylenoxid	Propylenoxid	Propylenoxid	49	33	F+,T	3	3A	224, 350, 340, 331, 311, 302, 315, 319, 335,	21	3	LGK 3
1289	64	Natriummethylat, Lösung in Alkohol	Natriummethylat Lösungen in Alkohol		Natriummethylat Lösungen in Alkohol	224	10a	F, C	1	3A	228, 251, 290, 302, 314	O1	3	LGK 3
1294	42	Toluen	Toluol	Toluol	Toluol	224	-	F,Xn	2	3A	225, 361d, 304, 373, 315, 336	P5c	3	LGK 3
1307	31	Xylene	Monocyclische aromatische Kohlenwasserstoffe (außer Benzol), Xylole			224	-	Xn	2	3A	226, 304, 312, 332, 315, 319, 335, 412	P5c	3	LGK 3
1350	216	Schwefel	Schwefel		Schwefel	224	-	F	-	11	315	-	4.1	LGK 4.1 B
1408	100	Ferrosilicium mit mindestens 30 Masse-%, aber weniger als 90 Masse-% Silicium	Ferrosilicium mehr als 30% aber weniger als 90% Silicium enthaltend		Ferrosilicium mehr als 30% aber weniger als 90% Silicium enthaltend	448	-	-	1	4.3	261, 302, 312, 332	-	4.3	LGK 4.3
1564	125	Bariumverbindung, N.A.G.	Bariumhydroxid	Bariumhydroxid	Bariumhydroxid	448	-	Xn	1	6.1 B	302, 314, 318	-	6.1	LGK 6.1 B
1578	107	Chlornitrobenzene, fest	o-Nitrochlorbenzol	o-Nitrochlorbenzol	o-Nitrochlorbenzol	198	2	T, N	2	6.1 AL	351, 341, 331, 311, 301, 373, 411	H2, E2	6.1	LGK 6.1 A

1671	108	Phenol, fest	Phenol	Phenol	Phenol	198	2	T	2	6.1A	331, 301, 311, 314, 341, 373	H2	6.1	LGK 6.1 A
1690	124	Natriumfluorid, fest	D	Natriumfluorid	Natriumfluorid	198	2	T	1	6.1 B	301, 315, 319	H2	6.1	LGK 6.1 B
1708	85	Toluidine	o-Toluidin		o-Toluidin	198	2	T, N	3	3B	301, 311, 331, 319, 373, 400, 410	E1, H2	6.1	LGK 6.1 D
1715	17	Essigsäureanhydrid	Carbonsäureanhydride		Essigsäureanhydrid	198	-	C	1	3A	226, 302, 331, 314, 335	P5c, H2	8	LGK 3
1717	8	Acetylchlorid	Carbonsäurehalogenide		Acetylchlorid	224	-	F, C	1	3A	225, 302, 314	P5c	3	LGK 3
1719	147	Ätzender alkalischer flüssiger Stoff, N.A.G.	Calciumhydroxid, Suspension in Wasser		Calciumhydroxid, Suspension in Wasser	448	-	C	1	8B	314	-	8	LGK 8 B
1736	158	Benzoylchlorid	Benzoylchlorid		Benzoylchlorid	198	-	C	2	8B	302, 330, 315, 318, 335, 350, 373	H2	8	LGK 6.1 A
1738	233	Benzylchlorid	Benzylchlorid rein		Benzylchlorid	198	-		3	6.1 AL	302, 312, 331, 314, 317, 318	H2	6.1	LGK 6.1 A
1751	122	Chloressigsäure, fest	Halogenierte aliphatische Carbonsäuren		Chloressigsäure	198	2	T, N50	2	6.1 B	301, 311, 330, 314, 318, 335, 400	H2, E1	6.1	LGK 6.1 D
1755	149	Chromiumsäure, Lösung	Chromsäure, Lösung		Chromsäure, Lösung	198	2		1	8B	271, 301, 311, 330, 314, 317, 334, 335, 340, 350, 361f, 372, 400, 410	H2, P8, E1	8	LGK 5.1 A
1759	53	Ätzender fester Stoff	Tenside, quaternäre Ammoniumsalze, teilweise mit Isopropylalkohol	Tensid, quaternäres Ammoniumsalz	Arquad 2HTB-85	224	9a	N	3	8B	je nach Stoff	E1/E2	8	LGK 8 B
1760	137	Ätzender flüssiger Stoff, N.A.G.	Tetralkylammoniumhalogenide, fest und als wässrige Lösung	Kokosbenzyl-dimethylammoniumchlorid in Wasser	Arquad MCB-50EP	448	9a	C, N	2	8B	je nach Stoff	E1/E2	8	LGK 8 B
1779	159	Ameisensäure mit mehr als 85 Masse-% Säure	Ameisensäure		Ameisensäure	198	-	C	1	8L	226, 302, 314, 331	P5c, H2	8	LGK 6.1 C
1789	141	Chlorwasserstoffsäure	Salzsäure	Salzsäure	Salzsäure	448	-	C	1	8B	290, 314, 335	-	8	LGK 8 B
1805	140	Phosphorsäure, Lösung	Phosphorsäure	Phosphorsäure	Phosphorsäure	448	-	C	1	8B	314, 290	-	8	LGK 8 B
1809	134	Phosphortrichlorid	Phosphorhalogenide		Phosphortri-chlorid	198	-	C	1	8B	300, 330, 373, 314	H2	6.1	LGK 6.1 B
1813	145	Kaliumhydroxid, fest	Kaliumhydroxid	Kaliumhydroxid	Kaliumhydroxid	448	-	C	1	8B	290, 302, 314	-	8	LGK 8 B

1814	144	Kaliumhydroxidlösung	Kalilauge (Kaliumhydroxidlösung)	Kalilauge	Kalilauge	448	-	C	1	8BL	290, 302, 314	-	8	LGK 8 B
1823	143	Natriumhydroxid	Natriumhydroxid	Natriumhydroxid	Natriumhydroxid	448	-	C	1	8B	290, 314	-	8	LGK 8 B
1824	146	Natriumhydroxidlösung	Natronlauge		Natronlauge	448	-	C	1	8B	290, 314	-	8	LGK 8 B
1836	150	Thionylchlorid	Thionylchlorid		Thionylchlorid	198	10 a, b	C	1	8B	302, 331, 314, 334, EUH014, EUH029	H2, O3	8	LGK 6.1 C
1873	101	Perchlorsäure mit mehr als 50 Masse-%, aber höchstens 72 Masse-% Säure	Perchlorsäure	Perchlorsäure	Perchlorsäure	198	3	O, C	1	5.1 A	271, 290, 302, 314, 373	P8	5.1	LGK 5.1 A
1918	19	Isopropylbenzen	Isopropylbenzol	Isopropylbenzo l	Isopropylbenzol	224	-	Xn, N	1	3A	226, 304, 335, 411	P5c, E2	3	LGK 3
1919	54	Methylacrylat	Methylacrylat, stabilisiert		Methylacrylat, stabilisiert	224	-	F, Xn	2	3A	225, 302, 312, 315, 319, 317, 331, 335, 412	46	3	LGK 3
1950	1	Aerosole	Druckgaspackungen, nicht giftig		OKS 701 Feinpflegeöl	224	8	F+	1	2B	220	P3	2	LGK 2B
1993	23	Entzündbarer, flüssiger Stoff	Entzündbarer, flüssiger Stoff, N.A.G.	Lösemittelgemisch	Entfärber Gram i- Propanol BYK-055, 1-Methoxy-2- propylacetat	224	-	F, Xi	1	3A	226	P5c	3	LGK 3
2014	103	Wasserstoffperoxid, wässrige Lösung mit mindestens 20 %, aber höchstens 60 % Wasserstoffperoxid	Wasserstoffperoxid	Wasserstoffperoxid	Wasserstoffper- oxid	198	-	O, C	1	5.1 B	271, 302, 332, 314, 318, 335, 412	P8	5.1	LGK 5.1 B
2015	103	Wasserstoffperoxid, wässrige Lösung, stabilisiert, mit mehr als 70 % Wasserstoffperoxid	Wasserstoffperoxid	Wasserstoffperoxid	Wasserstoffper- oxid	198	-	O, C	1	5.1 B	271, 302, 332, 314, 318, 335, 412	P8	5.1	LGK 5.1 B
2022	83	Cresylsäure	Kresylsäure		Kresylsäure	198	2	T	2	6.1	301, 311, 314	H2	6.1	LGK 6.1 C
2045	55	Isobutyraldehyd	Isobutyraldehyd		Isobutyraldehyd	224	-	F	1	3A	225	P5c	3	LGK 3
2051	148	2-Dimethylaminoethanol	Dimethylethanolamin		Dimethylethanol- amin	198	-	C	1	8A	226, 331, 312, 302, 314, 318, 335	P5c, H2	8	LGK 6.1 C
2056	81	Tetrahydrofuran	Tetrahydrofuran		Tetrahydrofuran	224	-	F, Xi	1	3A	225, 302, 319, 335, 351	P5c	3	LGK 3
2058	80	Valeraldehyd	Isovaleraldehyd		Isovaleraldehyd	224	-	F, Xi	2	3A	225, 315, 319, 335	P5c	3	LGK 3
2076	92	Cresole, flüssig	Kresole, flüssig oder fest		o-Kresol	198	2	T	2	3B	301, 331, 314	H2	6.1	LGK 6.1 D



2078	104	Toluylendiisocyanat	Toluylendiisocyanat DI-/Poly-Isocyanat- Komponente zur Herstellung von Polyurethanen		Toluylendiisocyanat (TDI) Desmodur VP PU 60WF10	224	37	T+, N	2	6.1 A	351, 330, 319, 335, 315, 334, 317, 412	26	6.1	LGK 6.1 A
2079	151	Diethylentriamin	Diethylentriamin		Diethylentriamin	198	-	C	2	8A	330, 302, 312, 314, 318, 317, 335	H2	8	LGK 6.1 A
2211	152	Schäumbare Polymer- Kügelchen, entzündbare dämpfe abgebend	Polystyrol, körnig		Polystyrol, körnig	224	-	-	-	8A	-	-	9	LGK 10-13
2215	163	Maleinsäureanhydrid	Maleinsäureanhydrid		Maleinsäure- anhydrid	224	-	C	1	8A	302, 314, 317, 334, 372, 373	-	8	LGK 8 A
2218	164	Acrylsäure, stabilisiert	Acrylsäure, stabilisiert		Acrylsäure, stabilisiert	224	6, 9a	C, N	1	8B	226, 332, 312, 302, 314, 335, 400	P5c, E1	8	LGK 8 B
2226	105	Benzotrichlorid	Benzotrichlorid		Benzotrichlorid	198	2	T	3	6.1 A	302, 330, 315, 317, 318, 335, 350	33	8	LGK 6.1 A
2251	34	Bicyclo-[2,2,1]-Hepta-2,5- Dien	Norborna-2,5-dien	Norborna-2,5-dien	Norborna-2,5-dien	224	-	F,Xn	2	3A	225	P5c	3	LGK 3
2253	89	N,N-Dimethylanilin	Aromatische Amine	Anilin, N, N- Dimethylanilin	Anilin, N, N- Dimethylanilin	198	9a, 2	T, N	2	3B	301, 311, 331,317, 318, 341, 351, 372, 400	H2, E1	6.1	LGK 6.1 A
2259	153	Triethylentetramin	Triethylentetramin		Triethylentetramin	224	-	C	2	8A	312, 314, 317, 412	-	8	LGK 8 A
2276	72	2-Ethylhexylamin	2-Ethylhexylamin		2-Ethylhexylamin	224	-	C*	2	3A	226, 302, 311, 330, 314	P5c, H2	3	LGK 3 (LGK 6.1.A)
2281	123	Hexamethylendiisocyanat	organische Isocyanat- Zubereitungen (außer Methylenisocyanat und TDI)		Hexamethylen- diisocyanat	198	2	T	3	6.1 B	330, 302, 319, 335, 315, 334, 317	H2	6.1	LGK 6.1 A
2289	154	Isophorondiamin	Isophorondiamin		Isophorondiamin	224	-	C	1	8A	314, 302, 312, 317, 412	-	8	LGK8
2291	97	Bleiverbindung	Bleithiocyanat		Bleithiocyanat	198	9a	T, N	3	4.1B	302, 312, 332, 360Df, 373, 400, 410	E1	6.1	LGK 6.1 B
2303	59	Isopropenylbenzen	Isopropenylbenzol		Isopropenyl-benzol	224	-	Xi, N	2	3A	226, 319, 335, 411	P5c, E2	3	LGK 3
2304	98	Naphthalen, geschmolzen	Naphthalen, geschmolzen		Naphthalen, geschmolzen	224	9a	Xn, N	1	4.1B	228, 351, 302, 400, 410	E1	4.1	LGK 4.1 B

2312	108	Phenol, geschmolzen	Phenol	Phenol	Phenol	198	2	T	2	6.1A	331, 301, 311, 314, 341, 373, 411	H2, E2	6.1	LGK 6.1 C
2323	60	Triethylphosphit	Triethylphosphit		Triethylphosphit	224	-	Xi	2	3A	226, 302, 317, 412	P5c	3	LGK 3
2325	37	1,3,5-Trimethylbenzen	Mesitylen	Mesitylen	Mesitylen	224	-	Xi, N	2	3A	226, 3365, 411	P5c, E2	3	LGK 3
2348	71	Butylacrylate	Butylacrylat, stabilisiert		Tert.-Butylacrylat, stabilisiert	224	-	F, Xn	1	3A	225, 302, 312, 332, 335, 315, 317, 411	P5c, E2	3	LGK 3
2363	61	Ethylmercaptan	Ethylmercaptan		Ethylmercaptan	224	9a	F, Xn, N	3	3A	225, 332, 400, 410	P5c, E1	3	LGK 3
2491	166	Ethanolamin oder Ethanolamin, Lösung	2-Ethanolamin		2-Ethanolamin	224	-	C	1	8A	302, 312, 332, 314, 335, 412	-	8	LGK 8 A
2518	88	1,5,9-Cyclododecatrien	1,5,9-Cyclododecatrien		1,5,9-Cyclododecatrien	224	-	Xi*	2	3B	304, 400, 410	E1	6.1	LGK 6.1 D
2520	62	Cyclooctadiene	1,5-Cyclooctadien		1,5-Cyclooctadien	224	-	Xi	1	3A	226, 302, 332, 315, 317, 319	P5c	3	LGK 3
2524	70	Ethylorthoformiat	Ethylorthoformiat		Ethylorthoformiat	224	-	-	1	3A	226	P5c	3	LGK 3
2529	86	Isobuttersäure	Carbonsäuren, gesättigt und ungesättigt, alle Kettenlängen, ggf. C, N		Isobuttersäure	224	-	Xn	1	3B	226, 302, 311, 314, 318	P5c	3	LGK 3
2530 (neu UN 2922)	95	UN Nummer gibt es seit 2001 nicht mehr fällt aktuell unter UN 2922 Ätzender flüssiger Stoff, giftig, n.a.g. (Isobuttersäureanhydrid)	Carbonsäureanhydride		Isobuttersäureanhydrid	198	-	C	1	3B	301, 311, 314	H2	3	LGK 6.1.C
2531	91	Methacrylsäure	Methacrylsäure stabilisiert		Methacrylsäure stabilisiert	224	-	C	1	3B	311, 302, 332, 314, 335	-	8	LGK 6.1.C
2619	4	Benzyl dimethylamin	Aromatische Amine		Dimethylbenzylamin	198	-	C, N	2	3A	226, 302, 312, 331, 314, 412	P5c, H2	8	LGK 3 (LGK 6.1.C)
2672	138	Ammoniaklösung in Wasser, relative Dichte zwischen 0,880 und 0,957 bei 15°C, mit mehr als 10 %, aber höchstens 35 % Ammoniak	Ammoniak (wässrige Lösung mit max. 35 m-% NH <sub>3</sub> )	Ammoniaklösung	Ammoniumhydroxid	448	9a	N, C	2	8B	290, 314, 335, 400	E1	8	LGK 8 B
2680	142	Lithiumhydroxid	Alkalihydroxide	Lithiumhydroxid	Lithiumhydroxid	448	-	C	1	8B	301, 314	-	8	LGK 8 B
2735	130	Amine, flüssig, ätzend, N.A.G. oder Polyamine, flüssig, ätzend, N.A.G.	Oleyl(Pflanzenöl)bis(2-hydroxyethyl)amin	Oleyl(Pflanzenöl)bis(2-hydroxyethyl)amin	Berol 302	224	9a/b	C, N	2	8A	z.B. 302, 314, 400	E1/E2	8	LGK 8 A
2735	132	Amine, flüssig, ätzend, N.A.G. oder Polyamine, flüssig, ätzend, N.A.G.	Oleyldimethylamin	Oleyldimethylamin	Armeen 2MOD	224	9a/b	C, N	2	8A	z.B. 302, 314, 400	E1/E2	8	LGK 8 A

2735	136	Amine, flüssig, ätzend, N.A.G. oder Polyamine, flüssig, ätzend, N.A.G.	Dodecyldipropylentriamin	Dodecyldipropylentriamin	Triameen Y12D	448	9a/b	C, N	2	8A	z.B. 302, 314, 400	E1/E2	8	LGK 8 A
2735	193	Amine, flüssig ätzend, N.A.G. oder Polyamine, flüssig, ätzend, N.A.G.	Polyolkomponente zur Herstellung von Polyurethanen		Baydur/VPPU 60IK20	224	-	C, N	2	10	302, 314, 317, 412	-	8	LGK 8 B
2790	167	Essigsäure, Lösung mit mindestens 10 Masse-% und höchstens 80 Masse-% Säure	Essigsäure, Lösung mit mehr als 10% aber weniger als 80 Gew.-% Säure		Essigsäure, Lösung mit mehr als 10% aber weniger als 80 Gew.-% Säure	224	-	C	1	8	226, 290, 314	P5c	8	LGK 8 B
2794	156	Batterien (Akkumulatoren), nass, gefüllt mit Säure, elektrische Sammler	Akkus, nass, mit Säure gefüllt			448	-	-	1	8B	-	-	8	LGK 8 B
2796	127	Schwefelsäure mit höchstens 51 % Säure oder Batterieflüssigkeit, sauer	Batterieflüssigkeit, Säure			448	-	C		8B	-	-	8	LGK 8 B
2842	57	Nitroethan	Nitroethan		Nitroethan	224	-	Xn	2	3A	226, 332, 302	P5c	3	LGK 3
2880	102	Calciumhypochlorit, hydratisiert oder Calciumhypochlorit, hydratisierte Mischung mit mindestens 5,5 %, aber höchstens 16 % Wasser	Calciumhypochlorit, wasserhaltig, oder Calciumhypochlorit, wasserhaltige Mischungen mit nicht weniger als 5,5%, jedoch nicht mehr als 10% Wasser			198	3	O, C, N	2	5.1A	272, 302, 314, 400, 410	P8, E1	5.1	LGK 5.1 B
2924	56	Entzündbarer, flüssiger Stoff	1-Chlor-2-buten	1-Chlor-2-buten		224	-	F,C*	2	3A	225, 314, 335	P5c	3	LGK 3
2927 VP II	109	Giftiger organischer flüssiger Stoff, ätzend, N.A.G.	2-Ethylhexansäurechlorid und Isomere / Homologe	2-Ethylhexansäurechlorid		198	2	T, C	1	6.1 A	290, 302, 330, 314, 317	H2	6.1	LGK 6.1 A
2929 VP II	79	Giftiger, organischer, flüssiger Stoff, entzündbar, N.A.G.	Propargylalkohol	Propargylalkohol		198	2, 9b	T, N	2	3A	226, 301,311,331, 314,317,411	H2, P5c,E2	6.1	LGK 6.1 A
2984	103	Wasserstoffperoxid, wässrige Lösung mit mindestens 8 %, aber weniger als 20 % Wasserstoffperoxid	Wasserstoffperoxid	Wasserstoffperoxid		198	-	O,C	1	5.1 B	271, 302, 332, 314, 318, 335, 412	P8	5.1	LGK 5.1 B
3028	155	Batterien (Akkumulatoren), trocken, Kaliumhydroxid, fest, enthaltend, elektrische Sammler	Batterien (Akkumulatoren), trocken, Kaliumhydroxid, fest, enthaltend, elektrische Sammler	Akkus, trocken	Akkus, trocken	448	-	-	1	8B	-	-	8	LGK 8 B
3077	213	Umweltgefährdender Stoff, fest, N.A.G.	Pflanzenschutzmittel	Pflanzenschutzmittel	Pradone Combi	224	-	Xi	2	11/13	u.a. 410	E1	9	LGK 10-13

3250/ 1751	122	Chloressigsäure, geschmolzen/ fest	Halogenierte aliphatische Carbonsäuren		Chloressigsäure	198	2	T, N50	2	6.1 B	301, 311, 330, 314, 318, 335, 400	H2, E1	6.1	LGK 6.1 D
3264	139	Ätzender saurer anorganischer flüssiger Stoff, N.A.G.	Ätzender, saurer, anorganischer, flüssiger Stoff, N.A.G.	Wässrige anorganische Säurelösung	S-Act	448	-	C	1	8B	314	-	8	LGK 8 B
3265	135	Ätzender saurer organischer flüssiger Stoff, N.A.G.	Ätzender, saurer, organischer, flüssiger Stoff, N.A.G.	p-Toluoylsäure-chlorid	p-Toluoylsäure- chlorid	224	-	C	2	8A	314, 335	-	8	LGK 8 A
3267	128	Ätzender basischer organischer flüssiger Stoff, N.A.G.	Ätzender, basischer, organischer, flüssiger Stoff, N.A.G.	N-Octyl-2- pyrrolidinon	N-Octyl-2- pyrrolidinon	224	-	C, N	3	8A	314, 411	E2	8	LGK 8 A
3295		Kohlenwasserstoffe, flüssig, N.A.G.	Kohlenwasserstoffe, flüssig, N.A.G.			224	13		2	3A	z.B. 224 oder 225/226 400/410/ 411	P5a, P5c, E1/E2	3	LGK 3
3453	160	Phosphorsäure, fest	Orthophosphorsäure, fest		Orthophosphor- säure, fest	448	-	C	1	8BL	314, 290	-	8	LGK 8 B
1089	20	Acetaldehyd	Aliphatische Aldehyde außer Formaldehyd	Acetaldehyd	Acetaldehyd	49	8	F+, Xn	1	3A	224, 319, 335, 351	P5a	3	LGK 3
1134	16	Chlorbenzen	Chlorbenzol	Chlorbenzol	Chlorbenzol	224	-	Xn, N	2	3A	226, 332, 315, 411	P5c, E2	3	LGK 3
1230	12	Methanol	Methanol	Methanol	Methanol	198	26	F, T	1	3A	225, 331, 311, 301, 370	22	3	LGK 3 (LGK 6.1)
1405	99	Calciumsilicid	Calciumsilicid		Calciumsilicid	448	10a	F	1	4.3S	261, 302, 312, 332	-	4.3	LGK 4.3
1593	121	Dichlormethan	Dichlormethan		Dichlormethan	448	-	Xn, N	2	6.1B	315, 319, 335, 336, 351, 373	-	6.1	LGK 6.1 D
1802	101	Perchlorsäure mit höchstens 50 Masse-% Säure	Perchlorsäure	Perchlorsäure	Perchlorsäure	198	3	O, C	1	5.1 A	271, 290, 302, 314, 373	P8	8	LGK 5.1 A
2209, 1198	106	Formaldehydlösung mit mindestens 25 % Formaldehyd	Formaldehyd in flüssigen Zubereitungen, insbesondere wässrigen, mit Methanol stabilisierten Lösungen	Formaldehyd	Formaldehyd	198	2	T	2	6.1 A	301, 311, 331, 314, 317, 335, 341, 350, 370	H2	8	LGK 6.1A
2735	126	Amine, flüssig, ätzend, N.A.G. oder Polyamine, flüssig, ätzend, N.A.G.	Kokosamin	Kokosamin	Armeen CD	224	9a/b	C, N	2	8A	z.B. 302, 314, 400	E1/E2	8	LGK 8 A
2788	119	Organische Zinnverbindung, flüssig, N.A.G.	Hexabutyldistannoxan		Hexabutyldist- annoxan	198	2,9a	T, N	3	6.1A	301, 312, 315, 319, 360 FD, 372, 410	E1, H2	6.1	LGK 6.1 C
2853	120	Magnesiumfluorosilicat	Magnesiumfluorsilikat		Magnesiumfluor- silikat	198	-	Xn	2	6.1B	301, 318, 412	H2	6.1	LGK 6.1 D
3082	168	Umweltgefährdender Stoff, flüssig, N.A.G.	Umweltgefährdender Stoff, flüssig, N.A.G.	Emulgator	Walloxen STA 150	224	-	Xi, N	2	10	u.a. 400 oder 410	E1/E2	9	LGK 3

3259	129	Amine, fest, ätzend, N.A.G. oder Polyamine, fest, ätzend, N.A.G.	Amine, fest, ätzend, N.A.G. oder Polyamine, fest, ätzend, N.A.G.	N-Kokos-1,3- diaminopropan	Duomeen CD	224	9a, 9b	C, N	3	8A	302, 318, 314, 317, 400, 410	E1/E2	8	LGK 8 A
3272 (früher 1993)		Ester, N.A.G.	Ester, n.a.g.	1-Methoxy-2- propylacetat		224	-	Xn, N	2	3A	226	P5c	3	LGK 3

graue Felder beziehen sich auf eine Änderung gegenüber dem genehmigten Stoffen aus der Ursprungsdatei