



# Economic and Social Council

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## Economic Commission for Europe

### Inland Transport Committee

### Working Party on the Transport of Dangerous Goods

#### Administrative Committee of the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN)

#### Twenty-seventh session

Geneva, 28 January 2022

Item 4(b) of the provisional agenda

#### Matters relating to the implementation of ADN: special authorizations, derogations and equivalents

## Special authorization concerning UN 1288 SHALE OIL

### Transmitted by the Government of the Netherlands\*

### Introduction

1. The Dutch delegation kindly requests the ADN Administrative Committee to consider the Special authorization of UN 1288 SHALE OIL, and to decide whether UN 1288 SHALE OIL could be included in the list of substances in the Regulation, authorized for carriage in tank vessels.
2. The Dutch competent authority of the ADN has received a request for a Special authorization concerning the transport of UN 1288 SHALE OIL in tank vessels. The request has been submitted conform ADN 1.5.2.
3. The request for the Special authorization has been submitted by the VOMS (Vereniging van Ondernemingen in de Milieudienstverlening ten behoeve van de Scheepvaart) on behalf of a number of members of this organization. A translation of the request, conform the model in ADN 3.2.4.1, is attached to this document in annex 1. The original request (Dutch only) can be found in annex 1 of informal document INF.2.
4. The competent authority has considered the application and has drawn up a Special authorization on the basis of the criteria contained in subsection 3.2.4.3. The Special authorizations were granted to the members of the VOMS on behalf of which the request was done. Translations of these special authorizations are attached to this document in annex 2. The original Special authorizations (Dutch only) can be found in annex 2 of informal document INF.2.
5. The request for the special authorization and the subsequently granted special authorizations have been communicated to the ADN Safety Committee for their

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\* Annexes in this document are produced the way they are received from the Member State, without formatting and editing.



consideration as well. The Dutch delegation would like to request the ADN Administrative Committee to consider this Special authorization and to take action as it deems appropriate.

## **Proposals**

6. The Dutch delegation proposes to amend the following entries of 3.2.1 Table A and to add the following entries to 3.2.3.2 Table C:

3.2.1 Table A, **proposed amendments are bold and underlined:**

UN No. or ID No.	Name and description	Class	Classi- fication Code	Packing group	Labels	Special provis- ions	Limited and excepted quantities		Carriage permitted	Equipment required	Vent-lation	Provisions concerning loading, unloading and carriage			Number of blue cones/ lights	Remarks
							3.4	3.5.1.2				7.1.6				
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)			(12)	(13)
1288	SHALE OIL	3	F1	II	3		1 L	E2	<b><u>I</u></b>	PP, EX, A	VE01				1	
1288	SHALE OIL	3	F1	III	3		5 L	E1	<b><u>I</u></b>	PP, EX, A	VE01				0	

3.2.3.2 Table C:

UN No. or substance identification No.	Name and description	Class	Classification code	Packing group	Dangers	Type of tank vessel	Cargo tank design	Cargo tank type	Cargo tank equipment	Opening pressure of the pressure relief valve/high velocity vent valve, in kPa	Maximum degree of filling in %	Relative density at 20 °C	Type of sampling device	Pump room below deck permitted	Temperature class	Explosion group	Anti-explosion protection required	Equipment required	Number of cones/blue lights	Additional requirements/Remarks
																				(20)
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
	3.1.2	2.2	2.2	2.1.1.3	5.2.2 / 3.2.3.1	1.2.1 / 7.2.2.0.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	7.2.4.21	3.2.3.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	1.2.1	1.2.1 / 3.2.3.3	1.2.1 / 3.2.3.3	8.1.5	7.2.5	3.2.3.1
1288	SHALE OIL	3	F1	II	3+N3+CMR	N	2	3	3	45	97	0,92	3	yes	T3	II B <sup>4)</sup>	yes	PP, EP, EX, TOX, A	1	14; 23
1288	SHALE OIL	3	F1	III	3+N3+CMR	N	2	3	3	45	97	0,92	3	yes	T3	II B <sup>4)</sup>	yes	PP, EP, EX, TOX, A	0	14; 23

## Annex I

### Request

Date: 8 December 2020

Reference: VOMS/2020/005/an

Via e-mail [Ruud.wennekes@ilent.nl](mailto:Ruud.wennekes@ilent.nl)  
Human Environment and Transport  
**Inspectorate**  
ILT/Safety and Institutions  
Chain Dangerous Goods and  
Organisms  
P.O. Box 16191  
NL-2500 BD The Hague

Subject : special authorization transport of UN1288 in tank vessels

Dear Mr. Wennekes,

Enclosed you will find our application for a special authorization concerning the transport of UN1288 shale oil in tank vessels. The application is submitted for the vessels mentioned in the application form at the request of the members of our organization stated in the application form. Our members collect shale oil in accordance with the permit UN1288 shale oil granted to them and are thus transporter of UN1288 shale oil.

The application form has been completed for the various qualities and substance types which could be carried under UN1288. This concerns the various fractions of shale oil, ranging from the heavy fraction to the light (gasoline) fraction. Mixtures with water can be carried in addition to these products. This primarily concerns washwater originating from the cleaning of tanks in which shale oil was carried. These washwaters normally contain > 99 % and less than 1% shale oil. The application form was completed using the range of characteristics of the various fractions of shale oil known to us. Dilution with water was not taken into account.

We have consulted various MSDSs, including those of products which were presented to our members for collection, for the characteristics of various shale oil products. Additionally, data from the ECHA database was consulted. Information was not available for all data requested by the application form. Specifically for questions 3.3 and 3.4 we report that the consulted MSDSs and ECHA database consistently indicate that shale oil is non-explosive (100%).

In addition to the application form we state that the benzene content of shale oil is < 10%.

We hope this has answered your inquiry adequately.

Sincerely,

Vereniging van Ondernemingen  
in de Milieudienstverlening  
ten behoeve van de Scheepvaart

Drs. A.C.P. Nijdam

Drs A.C.P. Nijdam

Bijlage(n)

Attachment(s): application form for special authorizations

### 3.2.4.2 Application form for special authorizations under section 1.5.2

For applications for special authorizations, please answer the following questions and points. \* Data are used for administrative purposes only and are treated confidentially.

\* For questions not relevant to the subject of the application, write "not applicable".

#### **Applicant**

A.C.P. Nijdam.....  
(Name)

VOMS.....  
(Company)

Kerkplein 3, NL-4209 AC Schelluinen, the  
Netherlands.....  
(Address)

It concerns several applicants. See Annex 1

#### **Summary of the application**

Authorization for transport in tank vessels of

Shale oil.....

as a substance of Class

3.....

#### **Annexes**

(with brief description)

1. Applicants.....

2. Authorizations.....

This application concerns the following ships;

Name: See Annex I applicants..... o.s.n .....

Name: ..... o.s.n. ....

Name: ..... o.s.n. ....

Name: ..... o.s.n. ....

Name: ..... o.s.n. ....

**Application made:**

At: Schelluinen.....

Date: 8 December 2020.....

Signature: .....  
(of the person responsible for the data)**1. General data on the dangerous substance**1.1 Is it a pure substance , a mixture , a solution ?1.2 Technical name (if possible ADN nomenclature or possibly the IBC Code).  
(International Code for the Construction and Equipment of ships carrying  
Dangerous Chemicals in Bulk)

Shale oil.....

1.3 Synonym. Shale oil.....

1.4 Trade name. Shale oil.....

1.5 Structure formula and, for mixtures, composition and/or concentration.

Shale oil 1-100%, water 0 - 99%.....

1.6 Hazard class and, where applicable, classification code, packing group.

Class 3, classification code F1, PG II and/or III.....

1.7 UN Number or substance identification number (if known).

1288.....

**2. Physico-chemical properties**

2.1 State during transport (e.g. gas, liquid, molten, ...).

Liquid.....

2.2 Relative density of liquid at 20°C or at the transport temperature if the  
substance is to be heated or refrigerated during transport.

0,917 middle fraction.....

- 2.3 Transport temperature (for substances heated or refrigerated during transport).  
 Ambient temperature.....
- 2.4 Melting point or range < -9 °C.
- 2.5 Boiling point or range 40 - 645 °C.
- 2.5 Vapour pressure at:
  - 25°C 0,06 – 13,5 kPa.....
  - 20°C .....
  - 30°C .....
  - 37.8°C .....
  - 50°C 10,9- 26 kPa.....
  - for liquefied gases, vapour pressure at 70°C .....,)
  - for permanent gases, filling pressure at 15°C .....,).
- 2.7 Cubic expansion coefficient 0,000736 – 0.000888..... K<sup>-1</sup>
- 2.8 Solubility in water at 20 °C: 0,1 - 5,74 g/l  
 Saturation concentration mg/l, or  
 Miscibility with water at 15 °C  
 Complete       partial       none  
 (If possible, in the case of solutions and mixtures, indicate concentration)
- 2.9 Colour. Yellow to dark brown.....
- 2.20 Odour. Bitter/irritating.....
- 2.11 Viscosity 0,637 – 11,1..... mm<sup>2</sup>/s at 20 °C.
- 2.12 Flow time (ISO 2431-1996) ..... s.
- 2.13 Solvent separation test .....



2.14 pH of the substance or aqueous solution (indicate concentration).

4,8.....

2.15 Other information.

.....

### 3. Technical safety properties

3.1 Auto-ignition temperature in accordance with IEC 60079-20-1:2010, EN 14522:2005, DIN 51 794:2003 in °C; where applicable, indicate the temperature class in accordance with IEC 60079-20-1:2010.

238 – 395 oC bij 1013 hPa

3.2 Flash-point

For flash-points up to 175 o C

Closed-cup test methods - non-equilibrium procedure

- Abel method: EN ISO 13736:2008
- Abel-Pensky method: DIN 51755–1:1974 or NF M T60-103:1968
- Pensky-Martens method: EN ISO 2719:2012
- Luchaire apparatus: French standard NF T60-103:1968
- Tag method: ASTM D56-05(2010)

Closed-cup test methods – equilibrium procedure

- Rapid equilibrium procedure: EN ISO 3679:2004; ASTM D3278-96 (2011)
- Closed-cup equilibrium procedure: EN ISO 1523:2002+AC1:2006; ASTM D3941-90 (2007)

For flash-points above 175 °C

In addition to the above-mentioned methods, the following open-cup test method may be applied:

- Cleveland method: EN ISO 2592:2002; ASTM D92-12.

Flash point: 10 - 30 °C, < 20 °C for the light (gasoline) fraction

3.3 Explosion limits:

Determination of upper and lower explosion limits in accordance with EN 1839:2012.

Non-explosive (100%)

3.4 Maximum safe gap in accordance with IEC 60-20-1:2010 in mm.

.....mm.

3.5 Is the substance stabilized during transport? If so, provide data on the stabilizer:

No.....

3.6 Decomposition products in the event of combustion on contact with air or under the influence of an external fire:

.....

3.7 Is the substance fire intensifying?

Yes.....

3.8 Abrasion (corrosion)

..... mm/year.

3.9 Does the substance react with water or moist air by releasing flammable or toxic gases?

~~Yes~~/ no. Gases released: .....

3.10 Does the substance react dangerously in any other way?

No.....

3.11 Does the substance react dangerously when reheated?

~~Yes~~/no

**4. Physiological hazards**

4.1 LD50 and/or LC50 value. Necrosis value (where applicable, other toxicity criteria in accordance with 2.2.61.1 of ADN).

LD50 > 2000 mg/kg

CMR properties according to Categories 1A and 1B of chapters 3.5, 3.6 and 3.7 of GHS.

## Category 1B

- 4.2 Does decomposition or reaction produce substances posing physiological hazards? (Indicate which substances where known)

No

- 4.3 Environmental properties (see 2.4.2.1 of ADN)

*Acute toxicity:*

LC50 96 hr for fish 5,7..... mg/l

EC50 48 hr for crustacea 9,7..... mg/l

ErC50 72 hr for algae ..... mg/l

*Chronic toxicity:*

NOEC 47..... mg/l

BCF ..... mg/l or log Kow 2,84 at 23 °C .....

Easily biodegradable ..... yes/no

## 5. Data on hazard potential

- 5.1 What specific damage is to be expected if the hazard characteristics produce their effect?

Combustion

Injury

Corrosion

Intoxication in the event of dermal absorption

Intoxication in the event of absorption by inhalation

Mechanical damage

Destruction

Fire

Abrasion (corrosion to metals)

Environmental pollution

**6. Data on the transport equipment**

6.1 Are particular loading requirements envisaged/necessary (what are they)?  
.....

**7. Transport of dangerous substances in tanks**

7.1 With which materials is the substance to be carried compatible?

Metals

**8. Technical safety requirements**

8.1 Taking into account the current state of science and technology, what safety measures are necessary in the light of the hazards posed by the substance or liable to arise in the course of the transport process as a whole?

Safety goggles, a pair of protective gloves, protective clothing and a pair of suitable protective shoes (protective boots if needed)

8.2 Additional safety measures

- Use of stationary or mobile techniques to measure flammable gases and flammable liquid vapours.  
.....

- Use of stationary or mobile techniques (toximeters) to measure concentrations of toxic substances.  
.....

## Applicants

This application is made by the trade association of collectors of ships waste collectors on behalf of the members listed below for the vessels listed below. These companies transport (waste of) shale oil.

<b>Name company</b>	<b>Name ship</b>	<b>Vessel number</b>
Ships Waste Oil Collector B.V.	Aqua Albis	02333388
	Aqua Ligera	06105175
	Aqua Tiberis	02335731
CIMS Netherlands B.V.	Denver	02321340
	Metis	02335431
Martens Havenontvangstinstallatie Vlissingen B.V.	Martens 4	02323039
	Martens 5	02326607
	Martens 11	02333031
International Slop Disposal B.V.	Hydrovac 12	2334947
	Barbados	2321170
	Hydrovac 11	2333112
	Hydrovac 10	2331802
	Main VIII	2332689
	Main IX	2332478
	Enserv 10	8023118
	Leonore	02333003

## Authorization for the application for a special authorization ADN 1.5.2.

Martens Havenontvangstinstallatie Vlissingen B.V.  
S. Hendrickx  
Spanjeweg 2  
4455TW Nieuwdorp  
Phone: +31 (0)113 – 672210  
E-mail: [serge@martenscleaning.nl](mailto:serge@martenscleaning.nl)

Vereniging van Ondernemingen in de Milieudienstverlening ten behoeve van de Scheepvaart  
A.C.P. Nijdam  
Kerkplein 3  
4209 AC Schelluinen  
Netherlands  
Phone: +31 (0)183 – 626106  
E-mail: [info@scheepsafval.nl](mailto:info@scheepsafval.nl)

*Martens Havenontvangstinstallatie Vlissingen B.V.* hereby authorizes the *Vereniging van Ondernemingen in de Milieudienstverlening ten behoeve van de Scheepvaart* to apply for a special authorization ADN 1.5.2 for transporting UN1288 Shale oil in tank vessels for the tank vessels listed below, reference VOMS/2020/005/an, on behalf of *Martens Havenontvangstinstallatie Vlissingen B.V.*.

Name vessel	ENI number
Martens 4	02323039
Martens 5	02326607
Martens 11	02333031

Confirmed as such by,

Martens Havenontvangstinstallatie Vlissingen B.V.  
S. Hendrickx  
Signature  
Handtekening  
  
Datum: 30 november 2020  
Date: 30 November 2020


## Authorization for the application for a special authorization ADN 1.5.2.

International Slop Diposal B.V. R. van der Wolf Bunschotenweg 99 3089KB Rotterdam Phone: +31 (0)85 – 4867222 E-mail <a href="mailto:Rene.Wolf@ngrp.com">Rene.Wolf@ngrp.com</a>
Vereniging van Ondernemingen in de Milieudienstverlening ten behoeve van de Scheepvaart A.C.P. Nijdam Kerkplein 3 4209 AC Schelluinen Netherlands Phone: +31 (0)183 – 626106 E-mail: <a href="mailto:info@scheepsafval.nl">info@scheepsafval.nl</a>

*International Slop Diposal B.V.* hereby authorizes the *Vereniging van Ondernemingen in de Milieudienstverlening ten behoeve van de Scheepvaart* to apply for a special authorization ADN 1.5.2 for transporting UN1288 Shale oil in tank vessels for the tank vessels listed below, reference VOMS/2020/005/an, on behalf of *International Slop Diposal B.V.*.

Name vessel	ENI number
Hydrovac 12	2334947
Barbados	2321170
Hydrovac 11	2333112
Hydrovac 10	2331802
Main VIII	2332689
Main IX	2332478
Enserv 10	8023118
Leonore	2333003

Confirmed as such by,

International Slop Diposal B.V. R. van der Wolf Signature Handtekening  Datum: 18 januari 2021 Date: 18 January 2021
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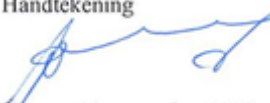
## Authorization for the application for a special authorization ADN 1.5.2.

Ships Waste Oil Collector B.V. C.A. de Koning Chemieweg 10 3197KC Botlek-Rotterdam Phone: +31 (0)10-2957154 E-mail: <a href="mailto:info@shipswaste.nl">info@shipswaste.nl</a>
Vereniging van Ondernemingen in de Milieudienstverlening ten behoeve van de Scheepvaart A.C.P. Nijdam Kerkplein 3 4209 AC Schelluinen Netherlands Phone: +31 (0)183 – 626106 E-mail: <a href="mailto:info@scheepsafval.nl">info@scheepsafval.nl</a>

*Ships Waste Oil Collector B.V.* hereby authorizes the *Vereniging van Ondernemingen in de Milieudienstverlening ten behoeve van de Scheepvaart* to apply for a special authorization ADN 1.5.2 for transporting UN1288 Shale oil in tank vessels for the tank vessels listed below, reference VOMS/2020/005/an, on behalf of *Ships Waste Oil Collector B.V.*.

Name vessel	ENI number
Aqua Albis	02333388
Aqua Ligera	06105175
Aqua Tiberis	02335731

Confirmed as such by,

Ships Waste Oil Collector B.V. C.A. de Koning Signature Handtekening  Datum: 30 november 2020 Date: 30 November 2020
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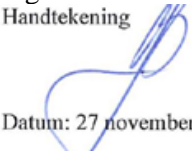
## Authorization for the application for a special authorization ADN 1.5.2.

<p>CIMS Ship Waste Collection B.V.          B.A. Sleuwenhoek          Boompjes 254          3011 XX Rotterdam          Phone: +31 (0) 850 711 980          E-mail: <a href="mailto:barend@cimsnetherlands.com">barend@cimsnetherlands.com</a></p>
<p>Vereniging van Ondernemingen in de Milieudienstverlening ten behoeve van de Scheepvaart          A.C.P. Nijdam          Kerkplein 3          4209 AC Schelluinen          Netherlands          Phone: +31 (0)183 – 626106          E-mail: <a href="mailto:info@scheepsafval.nl">info@scheepsafval.nl</a></p>

*CIMS Ship Waste Collection B.V.* hereby authorizes the *Vereniging van Ondernemingen in de Milieudienstverlening ten behoeve van de Scheepvaart* to apply for a special authorization ADN 1.5.2 for transporting UN1288 Shale oil in tank vessels for the tank vessels listed below, reference VOMS/2020/005/an, on behalf of *CIMS Ship Waste Collection B.V.*.

Name vessel	ENI number
Denver	02321340
Metis	02335431

Confirmed as such by,

<p>CIMS Ship Waste Collection B.V.          B.A. Sleuwenhoek          Signature          Handtekening            Datum: 27 november 2020          Date: 27 November 2020</p>
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## Annex II

### Special authorizations

> Return address P.O. Box 20904 NL-2500 EX The Hague

CIMS Ship Waste Collection B.V.  
Attn. B.A. Sleeuwenhoek Boompjes  
254  
3011 XZ Rotterdam

Reference IenW/BSK-2021/100719  
Date 8 April 2021  
Subject Special authorization

**Governing body**  
Dir Environmental Safety and  
Risks  
Cluster B  
  
The Hague  
P.O.Box 20904  
NL-2500 EX The Hague

**Contact person**  
  
H.C. Langenberg  
*Task field Transport Dangerous  
Goods*

T 070-4561566  
M +31(0)6-46748893  
Henk.LANGENBERG@minienw  
.nl

**Our reference**  
IENW/BSK-2021/100719

Dear Mr. Sleeuwenhoek,

You have authorized the *Vereniging van ondernemingen in de milieudienstverlening t.b.v. de Scheepvaart (VOMS)* to submit an application in the context of the transport of dangerous goods to obtain a special authorization conform 1.5.2 ADN. This application has been made by VOMS on 08-12-2020. I can inform you that the special authorization is hereby granted to you.

Sincerely,

The competent authority for ADN in the Netherlands.

The director Environmental Safety and Risks,



LL. M. Judith Elsinghorst

Reference IenW/BSK-2021/100719

*Special authorization by virtue of 1.5.2 of the ADN*

By virtue of 1.5.2 of the ADN, the transport in tank vessels of the substance mentioned in the attachment to this special authorization is allowed, under the conditions stated there.

**Governing body**  
Dir Environmental Safety and  
Risks  
Cluster B

**Date**  
8 April 2021

The carrier is required to have a recognized classification society add this substance to the list referred to in 1.16.1.2.5 in the ADN before transporting the substance.

This special authorization is valid for the following vessels:

Denver (Vessel number 02321340) and  
Metis (Vessel number 02335431)

belonging to CIMS Ship Waste Collection B.V.

This special authorization is valid only on Dutch waters.

This special authorization is valid for a period of two years starting from the date of signature, unless revoked at an earlier date.

Issuing state:  
THE NETHERLANDS

THE COMPETENT AUTHORITY FOR ADN IN THE NETHERLANDS

LL. M. Judith Elsinghorst

Ministry of Infrastructure  
And Water Management

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Attachment belonging to IenW/BSK-2021/100719

UN No. or substance identification No.	Name and description	Class	Classification code	Packing group	Dangers	Type of tank vessel	Cargo tank design	Cargo tank type	Cargo tank equipment	Opening pressure of the pressure relief valve/high in %	Relative density at 20 °C	Type of sampling device	Pump room below deck permitted	Temperature class	Explosion group	Anti-explosion protection required	Equipment required	Number of cones/blue lights	Additional requirements/Remarks	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
	3.1.2	2.2	2.2	2.1.1.3	5.2.2 / 3.2.3.1	1.2.1 / 7.2.2.0.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	7.2.4.2.1	3.2.3.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	1.2.1	1.2.1 / 3.2.3.3	1.2.1 / 3.2.3.3	8.1.5	7.2.5	3.2.3.1
1288	SHALE OIL	3	F1	II	3+N3+C MR	N	2	3	3	45	97	0,92	3	yes	T3	II B <sup>4)</sup>	yes	PP, EP, EX, TOX, A	1	14; 23
1288	SHALE OIL	3	F1	III	3+N3+C MR	N	2	3	3	45	97	0,92	3	yes	T3	II B <sup>4)</sup>	yes	PP, EP, EX, TOX, A	0	14; 23

Ministry of infrastructure  
And Water Management

> Return address P.O. Box 20904 NL-2500 EX The Hague

International Slop Disposal B.V.  
Attn. R. van der Wolf Bunschotenweg 99 3089 KB  
Rotterdam

**Governing body**  
Dir Environmental Safety and Risks  
Cluster B

The Hague P.O.Box 20904  
NL-2500 EX The Hague

**Contact person**  
H.C. Langenberg  
*Task field Transport Dangerous Goods*

T 070-4561566

M +31(0)6-46748893

Henk.LANGENBERG@minienw

.nl

**Our reference**  
IENW/BSK-2021/100720

Reference IenW/BSK-2021/100720  
Date 8 April 2021  
Subject Special authorization

Dear Mr. van der Wolf,

You have authorized the *Vereniging van ondernemingen in de milieudienstverlening t.b.v. de Scheepvaart (VOMS)* to submit an application in the context of the transport of dangerous goods to obtain a special authorization conform 1.5.2 ADN. This application has been made by VOMS on 08-12-2020. I can inform you that the special authorization is hereby granted to you.

Sincerely,

The competent authority for ADN in the Netherlands.

The director Environmental Safety and Risks,



LL. M. Judith Elsinghorst

Reference IenW/BSK-2021/100720

**Governing body**  
Dir Environmental Safety and  
Risks  
Cluster B

*Special authorization by virtue of 1.5.2 of the ADN*

By virtue of 1.5.2 of the ADN, the transport in tank vessels of the substance mentioned in the attachment to this special authorization is allowed, under the conditions stated there.

**Date**  
8 April 2021

The carrier is required to have a recognized classification society add this substance to the list referred to in 1.16.1.2.5 in the ADN before transporting the substance.

This special authorization is valid for the following vessels:

Hydrovac 12 (Vessel number 2334947),  
Barbados (Vessel number 2321170),  
Hydrovac 11 (Vessel number 2333112),  
Hydrovac 10 (Vessel number 2331802),  
Main VIII (Vessel number 2332689),  
Main IX (Vessel number 2332478),  
Enserv 10 (Vessel number 8023118) and  
Leonore (Vessel number 2333003)

belonging to International Slop Disposal

B.V.

This special authorization is valid only on Dutch waters.

This special authorization is valid for a period of two years starting from the date of signature, unless revoked at an earlier date.

Issuing state:  
THE NETHERLANDS

THE COMPETENT AUTHORITY FOR ADN IN THE NETHERLANDS

LL. M. Judith Elsinghorst

Attachment belonging to IenW/BSK-2021/100720

UN No. or substance identification No.	Name and description	Class	Classification code	Packing group	Dangers	Type of tank vessel	Cargo tank design	Cargo tank type	Cargo tank equipment	Opening pressure of the pressure relief valve/high	Maximum degree of filling in %	Relative density at 20 °C	Type of sampling device	Pump room below deck permitted	Temperature class	Explosion group	Anti-explosion protection required	Equipment required	Number of cones/blue lights	Additional requirements/Remarks
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
	3.1.2	2.2	2.2	2.1.1.3	5.2.2 / 3.2.3.1	1.2.1 / 7.2.2.0.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	7.2.4.21	3.2.3.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	1.2.1	1.2.1 / 3.2.3.3	1.2.1 / 3.2.3.3	8.1.5	7.2.5	3.2.3.1
1288	SHALE OIL	3	F1	II	3+N3+C MR	N	2	3	3	45	97	0,92	3	yes	T3	II B <sup>4)</sup>	yes	PP, EP, EX, TOX, A	1	14; 23
1288	SHALE OIL	3	F1	III	3+N3+C MR	N	2	3	3	45	97	0,92	3	yes	T3	II B <sup>4)</sup>	yes	PP, EP, EX, TOX, A	0	14; 23

Ministry of infrastructure  
and Water Management

> Return address P.O. Box 20904 NL-2500 EX The Hague

Martens Havenontvangstinstallatie Vlissingen B.V.  
Attn. S. Hendrickx Spanjeweg 2  
4445 TW Nieuwdorp

Reference IenW/BSK-2021/100721  
Date 8 April 2021  
Subject Special authorization

**Governing body**  
Dir Environmental Safety and Risks  
Cluster B

The Hague P.O.Box  
20904  
NL-2500 EX The Hague

**Contact person**  
H.C. Langenberg  
*Task field Transport Dangerous Goods*

T 070-4561566  
M +31(0)6-46748893  
Henk.LANGENBERG@minienw  
.nl

**Our reference**  
IENW/BSK-2021/100721

Dear Mr. Hendrickx,

You have authorized the *Vereniging van ondernemingen in de milieudienstverlening t.b.v. de Scheepvaart (VOMS)* to submit an application in the context of the transport of dangerous goods to obtain a special authorization conform 1.5.2 ADN. This application has been made by VOMS on 08-12-2020. I can inform you that the special authorization is hereby granted to you.

Sincerely,

The competent authority for ADN in the Netherlands.

The director Environmental Safety and Risks,



LL. M. Judith Elsinghorst



Reference IenW/BSK-2021/100721

**Governing body**  
Dir Environmental  
Safety and Risks  
Cluster B

*Special authorization by virtue of 1.5.2 of the ADN*

By virtue of 1.5.2 of the ADN, the transport in tank vessels of the substance mentioned in the attachment to this special authorization is allowed, under the conditions stated there.

**Date**  
8 April 2021

The carrier is required to have a recognized classification society add this substance to the list referred to in 1.16.1.2.5 in the ADN before transporting the substance.

This special authorization is valid for the following vessels:

Martens 4 (Vessel number 02323039),  
Martens 5 (Vessel number 02326607) and  
Martens 11 (Vessel number 02333031)

belonging to Martens Havenontvangstinstallatie Vlissingen B.V.

This special authorization is valid for a period of two years starting from the date of signature, unless revoked at an earlier date.

Issuing state:  
THE NETHERLANDS

THE COMPETENT AUTHORITY FOR ADN IN THE NETHERLANDS

LL. M. Judith Elsinghorst

## Attachment belonging to IenW/BSK-2021/100721

UN No. or substance identification No.	Name and description	Class	Classification code	Packing group	Dangers	Type of tank vessel	Cargo tank design	Cargo tank type	Cargo tank equipment	Opening pressure of the pressure relief valve/high	Maximum degree of filling in %	Relative density at 20 °C	Type of sampling device	Pump room below deck permitted	Temperature class	Explosion group	Anti-explosion protection required	Equipment required	Number of cones/blue lights	Additional requirements/Remarks
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
	3.1.2	2.2	2.2	2.1.1.3	5.2.2 / 3.2.3.1	1.2.1 / 7.2.2.0.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	7.2.4.21	3.2.3.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	1.2.1	1.2.1 / 3.2.3.3	1.2.1 / 3.2.3.3	8.1.5	7.2.5	3.2.3.1
1288	SHALE OIL	3	F1	II	3+N3+C MR	N	2	3	3	45	97	0,92	3	yes	T3	II B <sup>4)</sup>	yes	PP, EP, EX, TOX, A	1	14; 23
1288	SHALE OIL	3	F1	III	3+N3+C MR	N	2	3	3	45	97	0,92	3	yes	T3	II B <sup>4)</sup>	yes	PP, EP, EX, TOX, A	0	14; 23

Ministry of infrastructure  
and Water Management

> Return address P.O. Box 20904 NL-2500 EX The Hague

Ships Waste Oil Collector B.V.  
Attn. C.A. de Koning Chemieweg 10  
3197 KC Botlek-Rotterdam

Dir Environmental Safety and  
Risks  
Cluster B

The Hague P.O.Box  
20904  
NL-2500 EX The Hague

**Contact person**

H.C. Langenberg  
*Task field Transport Dangerous  
Goods*

T 070-4561566

M +31(0)6-46748893

Henk.LANGENBERG@minienw

.nl

Reference IenW/BSK-2021/100722  
Date 8 April 2021  
Subject Special authorization

**Our reference**

IENW/BSK-2021/100722

Dear Mr. de Koning,

You have authorized the *Vereniging van ondernemingen in de milieudienstverlening t.b.v. de Scheepvaart (VOMS)* to submit an application in the context of the transport of dangerous goods to obtain a special authorization conform 1.5.2 ADN. This application has been made by VOMS on 08-12-2020. I can inform you that the special authorization is hereby granted to you.

Sincerely,

The competent authority for ADN in the Netherlands.

The director Environmental Safety and Risks



LL. M. Judith Elsinghorst

Reference IenW/BSK-2021/100722

**Governing body**  
Dir Environmental Safety  
and Risks  
Cluster B

*Special authorization by virtue of 1.5.2 of the ADN*

By virtue of 1.5.2 of the ADN, the transport in tank vessels of the substance mentioned in the attachment to this special authorization is allowed, under the conditions stated there.

**Date**  
8 April 2021

The carrier is required to have a recognized classification society add this substance to the list referred to in 1.16.1.2.5 in the ADN before transporting the substance.

This special authorization is valid for the following vessels:

Aqua Albis (Vessel number 02333388),  
Aqua Ligeria (Vessel number 06105175) and  
Aqua Tiberis (Vessel number 02335731)

belonging to Ships Waste Oil Collectors B.V.

This special authorization is valid only on Dutch waters.

This special authorization is valid for a period of two years starting from the date of signature, unless revoked at an earlier date.

Issuing state:  
THE NETHERLANDS

THE COMPETENT AUTHORITY FOR ADN IN THE NETHERLANDS

LL. M. Judith Elsinghorst

Attachment belonging to IenW/BSK-2021/100722

UN No. or substance identification No.	Name and description	Class	Classification code	Packing group	Dangers	Type of tank vessel	Cargo tank design	Cargo tank type	Cargo tank equipment	Opening pressure of the pressure relief valve/high	Maximum degree of filling in %	Relative density at 20 °C	Type of sampling device	Pump room below deck permitted	Temperature class	Explosion group	Anti-explosion protection required	Equipment required	Number of cones/blue lights	Additional requirements/Remarks
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
	3.1.2	2.2	2.2	2.1.1.3	5.2.2/ 3.2.3.1	1.2.1 / 7.2.2.0.1	3.2.3.1/ 1.2.1	3.2.3.1/ 1.2.1	3.2.3.1/ 1.2.1	3.2.3.1/ 1.2.1	7.2.4.21	3.2.3.1	3.2.3.1/ 1.2.1	3.2.3.1/ 1.2.1	1.2.1	1.2.1 / 3.2.3.3	1.2.1 / 3.2.3.3	8.1.5	7.2.5	3.2.3.1
1288	SHALE OIL	3	F1	II	3+N3+C MR	N	2	3	3	45	97	0,92	3	yes	T3	II B <sup>4)</sup>	yes	PP, EP, EX, TOX, A	1	14; 23
1288	SHALE OIL	3	F1	III	3+N3+C MR	N	2	3	3	45	97	0,92	3	yes	T3	II B <sup>4)</sup>	yes	PP, EP, EX, TOX, A	0	14; 23