



# NURELLE D

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 04/04/2007

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Version: 8.1

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Trade name : NURELLE D  
Product code : CA711789  
Synonyms : Chlorpyrifos 500 g/L + Cypermethrin 50 g/L EC

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Industrial/Professional use spec : Agriculture.  
Pesticide  
Use of the substance/mixture : Insecticide

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

AGRI PHAR S.A.  
Rue de Renory, 26/1  
B-4102 Ougrée - Belgium  
T +32 (0)4 385 97 11 - F +32 (0)4 385 97 49  
[info@agriphar.com](mailto:info@agriphar.com) - <http://www.agriphar.com>

#### 1.4. Emergency telephone number

Emergency number : +32 (0)4 385 97 11 (8h - 16h35)  
112 (European Emergency Number)

Country	Organisation/Company	Address	Emergency number
BELGIUM	Centre Anti-Poisons/Antigifocentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn B -1120Brussels	+32 70 245 245
Worldwide	WHO	<a href="http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/index.html">http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/index.html</a>	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 3 H226  
Acute Tox. 4 (Oral) H302  
Acute Tox. 4 (Inhalation:dust,mist) H332  
Eye Irrit. 2 H319  
STOT SE 3 H335  
Asp. Tox. 1 H304  
Aquatic Acute 1 H400  
Aquatic Chronic 1 H410

Full text of H-phrases: see section 16

##### Classification according to Directive 67/548/EEC or 1999/45/EC

R10  
Xn; R20/22  
Xi; R36/37/38  
N; R50/53  
Xn; R65  
Full text of R-phrases: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

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### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



CLP Signal word :

Danger

Hazardous ingredients :

Cypermethrin cis/trans +/- 40/60, Solvent, chlorpyrifos (ISO)

Hazard statements (CLP) :

H226 - Flammable liquid and vapour  
H302+H332 - Harmful if swallowed or if inhaled  
H304 - May be fatal if swallowed and enters airways  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation  
H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (CLP) :

P210 - Keep away from open flames, sparks. - No smoking  
P261 - Avoid breathing spray  
P270 - Do not eat, drink or smoke when using this product  
P280 - Wear protective gloves, eye protection  
P301+P310 - IF SWALLOWED: immediately call a POISON CENTER or doctor/physician  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P331 - Do NOT induce vomiting  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P501 - Dispose of contents/container to National regulations

EUH phrases :

EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

### 2.3. Other hazards

Other hazards not contributing to the classification

: SPe8- Dangerous to bees./To protect bees and other pollinating insects do not apply to crop plants when in flower./Do not use where bees are actively foraging./Remove or cover beehives during application and for (state time) after treatment./ Do not apply when flowering weeds are present./ Remove weeds before flowering./Do not apply before (state time).

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Solvent	(CAS No)64742-95-6 (EC no)265-199-0 (EC index no)649-356-00-4 (REACH-no)01-2119455851-35	40 - 60	R10 Xi; R37 Xn; R65 R66 R67 N; R51/53
chlorpyrifos (ISO)	(CAS No)2921-88-2 (EC no)220-864-4 (EC index no)015-084-00-4	44 - 49	T; R25 N; R50/53
Cypermethrin cis/trans +/- 40/60	(CAS No)52315-07-8 (EC no)257-842-9 (EC index no)607-421-00-4	4 - 5,5	Xn; R20/22 Xi; R37 N; R50/53

Name	Product identifier	Specific concentration limits
chlorpyrifos (ISO)	(CAS No)2921-88-2 (EC no)220-864-4 (EC index no)015-084-00-4	(0,00002 =< C < 0,00025) R52/53 (0,00025 =< C < 0,0025) N;R51/53 (C >= 0,0025) N;R50/53

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Solvent	(CAS No)64742-95-6 (EC no)265-199-0 (EC index no)649-356-00-4 (REACH-no)01-2119455851-35	40 - 60	Flam. Liq. 3, H226 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
chlorpyrifos (ISO)	(CAS No)2921-88-2 (EC no)220-864-4 (EC index no)015-084-00-4	44 - 49	Acute Tox. 3 (Oral), H301 Aquatic Acute 1, H400 (M=10000) Aquatic Chronic 1, H410 (M=10000)
Cypermethrin cis/trans +/- 40/60	(CAS No)52315-07-8 (EC no)257-842-9 (EC index no)607-421-00-4	4 - 5,5	Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Oral), H302 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of R- and H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : If medical advice is needed, have product container or label at hand.
- First-aid measures after inhalation : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of breathing difficulties administer oxygen. In case of irregular breathing or respiratory arrest provide artificial respiration. In all cases of doubt, or when symptoms persist, seek medical advice.
- First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Immediately get medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : respiratory complaints. Gastrointestinal complaints. Nausea. Dizziness. Excessive concentrations may cause nervous system depression, headache, and weakness leading to unconsciousness.
- Symptoms/injuries after skin contact : Tingling/irritation of the skin. Erythema (reddening).
- Symptoms/injuries after eye contact : Tears. Conjunctival redness.
- Symptoms/injuries after ingestion : gastrointestinal complaints. Abdominal pain, nausea. Vomiting. Central nervous system depression.
- Chronic symptoms : Irritating to eyes, respiratory system and skin. Symptoms of overexposure to vapours include drowsiness, weakness, headache, dizziness, nausea, vomiting, dimming of vision.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Causes acetyl cholinesterase inhibition. Antidotal dispensation of atropine and toxogonin.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Water fog.
- Unsuitable extinguishing media : High power water jet.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Flammable.

#### 5.3. Advice for firefighters

- Precautionary measures fire : No naked lights. No smoking.
- Firefighting instructions : Evacuate and limit access. Use water spray jet to protect personnel and to cool endangered containers.
- Protection during firefighting : Wear full chemical protective clothing. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
- Other information : Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : When leaks or spills occur, only properly protected personnel should remain in the area.

##### 6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. In case of insufficient ventilation, wear suitable respiratory equipment.
- Emergency procedures : Evacuate area. Provide adequate ventilation to minimize dust and/or vapour concentrations. Call in an expert. Eliminate every possible source of ignition.

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### 6.1.2. For emergency responders

Protective equipment : Wear a self-contained breathing apparatus and chemical protective clothing.

### 6.2. Environmental precautions

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Prevent spreading in sewers. Impound and recover large spill by mixing it with inert granular solids.  
Methods for cleaning up : Collect spills and put it into appropriated container.  
Other information : Special danger of slipping by leaking/spilling product.

### 6.4. Reference to other sections

Exposure controls/personal protection. Disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Handle in accordance with good industrial hygiene and safety procedures. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not allow to enter into surface water or drains.  
Handling temperature : at room temperature  
Hygiene measures : Do no eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground well. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.  
Storage conditions : Protect against direct sunlight.  
Incompatible products : Strong acid. Strong bases. Oxidizing agents, strong.  
Maximum storage period : 2 year(s)  
Storage temperature : > -5 °C  
Storage area : Keep container tightly closed in a cool, well-ventilated place. Provide for retaining containers, eg. floor pan without outflow.  
Packaging materials : Keep only in the original container. Keep locked up.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

chlorpyrifos (ISO) (2921-88-2)		
Austria	MAK (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup>
Austria	MAK Short time value (mg/m <sup>3</sup> )	0,4 mg/m <sup>3</sup>
Belgium	Limit value (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup>
Denmark	Grænseværdie (kortvarig) (mg/m <sup>3</sup> )	0,4 mg/m <sup>3</sup>
France	VME (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup>
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup>
Poland	NDS (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup>
Poland	NDSch (mg/m <sup>3</sup> )	0,6 mg/m <sup>3</sup>
Spain	VLA-ED (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup> skin
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup>
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	0,6 mg/m <sup>3</sup>
United Kingdom	Remark (WEL)	SK
Switzerland	VME (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup> Aerosol.

Solvent (64742-95-6)		
Belgium	Limit value (ppm)	19 ppm
Belgium	Short time value (mg/m <sup>3</sup> )	100 mg/m <sup>3</sup>
France	VME (mg/m <sup>3</sup> )	150 mg/m <sup>3</sup>

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### 8.2. Exposure controls

Personal protective equipment : Gloves. Gas mask. Safety glasses.



Hand protection : Wear suitable gloves resistant to chemical penetration. NBR (Nitrile rubber). For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection : Face shield. Chemical goggles or safety glasses.

Skin and body protection : Skin protection appropriate to the conditions of use should be provided.

Respiratory protection : If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Environmental exposure controls : Notify authorities if product enters sewers or public waters.

Other information : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : clear.

Colour : yellow.

Odour : Chemical odor.

Odour threshold : No data available

pH : 4,77 (1%, 20°C; CIPAC MT 75.3)

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : 48 °C Regulation (EC) No. 440/2008, Annex, A.9

Auto-ignition temperature : 470 °C

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : 1,095 Calculation method.

Density : 1,095 g/ml (20°C +/- 0.5°C; CIPAC MT 3.2.1)

Solubility : (1% in water): Emulsion.

Log Pow : No data available

Viscosity, kinematic : 2,43 mm<sup>2</sup>/s (40°C ; ASTM D 445-52T)

Viscosity, dynamic : No data available

Explosive properties : not explosive. Regulation (EC) No. 440/2008, Annex, A.14.

Oxidising properties : not oxidizing. The statement is derived from the properties of the single components.

Explosive limits : No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

When exposed to heat, may decompose liberating hazardous gases.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal conditions. Refer to section 10.1 on Reactivity.

### 10.4. Conditions to avoid

Protect against direct sunlight. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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### 10.5. Incompatible materials

Strong acid. Strong bases. Strong oxidizing agents.

### 10.6. Hazardous decomposition products

When heated to decomposition, emits dangerous fumes. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. Nitrogen oxides (NO<sub>x</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Harmful if swallowed. Harmful if inhaled.

NURELLE D	
LD50 oral rat	> 300 mg/kg OECD 423
LD50 dermal rat	> 2000 mg/kg OECD 402
LC50 inhalation rat (mg/l)	4,6 mg/l/4h OECD 403
ATE CLP (dust,mist)	1,500 mg/l/4h

chlorpyrifos (ISO) (2921-88-2)	
LD50 oral rat	130,5 mg/kg

Cypermethrin cis/trans +/- 40/60 (52315-07-8)	
LD50 oral rat	500 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	3,28 mg/l/4h

Solvent (64742-95-6)	
LD50 oral rat	3492 mg/kg
LD50 dermal rat	> 3160 mg/kg
LC50 inhalation rat (mg/l)	> 6193 mg/m <sup>3</sup>

Skin corrosion/irritation : Not classified.  
OECD 404 - EC n° 440/2008 B.4  
pH: 4,77 (1%, 20°C; CIPAC MT 75.3)

Serious eye damage/irritation : Causes serious eye irritation.  
OECD 405 - EC n° 440/2008 B.5  
pH: 4,77 (1%, 20°C; CIPAC MT 75.3)

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Cypermethrin cis/trans +/- 40/60 (52315-07-8)	
NOAEL (chronic, oral, animal/male, 2 years)	5 mg/kg bodyweight

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : May cause respiratory irritation.

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

NURELLE D	
Viscosity, kinematic	2,43 mm <sup>2</sup> /s (40°C ; ASTM D 445-52T)

## SECTION 12: Ecological information

### 12.1. Toxicity

NURELLE D	
LC50 fishes 1	0,0338 mg/l (96h Oncorhynchus mykiss)
EC50 Daphnia 1	0,000286 mg/l (48h - Daphnia magna)
ErC50 (algae)	2,78 mg/l (72h Pseudokirchneriella subcapitata)

chlorpyrifos (ISO) (2921-88-2)	
LC50 fishes 1	0,0013 mg/l (96h)
EC50 Daphnia 1	0,000014 mg/l (48h)
ErC50 (algae)	1,2 mg/l (72h)

Cypermethrin cis/trans +/- 40/60 (52315-07-8)	
LC50 fishes 1	0,0028 mg/l (96h; Salmo gairdneri)
EC50 Daphnia 1	0,0003 mg/l (48h; Daphnia magna)

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<b>Cypermethrin cis/trans +/- 40/60 (52315-07-8)</b>	
ErC50 (algae)	> 0,1 mg/l (96h; Selenastrum capricornutum)
NOEC (chronic)	0,00003 mg/l (34d; Pimephales promelas)
<b>Solvent (64742-95-6)</b>	
LC50 fishes 1	9,2 mg/l (96h Oncorhynchus mykiss)
EC50 Daphnia 1	3,2 mg/l (48h Daphnia magna)
ErC50 (algae)	2,9 mg/l (72h Pseudokirchneriella subcapitata)
NOEC (chronic)	2,14 mg/l (21d Daphnia magna)

### 12.2. Persistence and degradability

<b>chlorpyrifos (ISO) (2921-88-2)</b>	
Persistence and degradability	Not readily biodegradable.
ThOD	2,46 g O/g substance
Biodegradation	22 %

<b>Cypermethrin cis/trans +/- 40/60 (52315-07-8)</b>	
Persistence and degradability	Not readily biodegradable.

<b>Solvent (64742-95-6)</b>	
Persistence and degradability	Easily biodegradable (concerning to the criteria of the OECD).
Biodegradation	78 % (28d OECD 301F)

### 12.3. Bioaccumulative potential

<b>chlorpyrifos (ISO) (2921-88-2)</b>	
Bioconcentration factor (BCF REACH)	1374
Log Pow	4,7 - 5,27
Bioaccumulative potential	Moderately bioaccumulative.

<b>Cypermethrin cis/trans +/- 40/60 (52315-07-8)</b>	
BCF fish 1	1204 mg/l (Salmo gairdneri)
Log Pow	5,3 - 5,6 (25°C)

### 12.4. Mobility in soil

<b>NURELLE D</b>	
Surface tension	31,2 mN/m (25°C ; METTENS - EEC A.5)

<b>chlorpyrifos (ISO) (2921-88-2)</b>	
Ecology - soil	Low mobility (soil).

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of this material and its container to hazardous or special waste collection point.
Additional information	: Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads). Notify authorities if product enters sewers or public waters.

## SECTION 14: Transport information











In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1993	1993	1993	1993	1993
14.2. UN proper shipping name				
FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.
14.3. Transport hazard class(es)				
3	3	3	3	3

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ADR	IMDG	IATA	ADN	RID
 	 	 	 	 
<b>14.4. Packing group</b>				
III	III	III	III	III
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Classification code (ADR)	: F1
Special provision (ADR)	: 274, 601, 640E
Limited quantities (ADR)	: 5L
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Operation (ADR)	: S2
Hazard identification number (Kemler No.)	: 30
Orange plates	:  

Tunnel restriction code : D/E

#### 14.6.2. Transport by sea

Special provision (IMDG)	: 223, 274, 955
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
Stowage category (IMDG)	: A



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### 14.6.3. Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
Special provision (IATA)	: A3
ERG code (IATA)	: 3L

### 14.6.4. Inland waterway transport

Classification code (ADN)	: F1
Special provisions (ADN)	: 274, 61, 64E
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 0
Not subjected to ADN	: No

### 14.6.5. Rail transport

Special provision (RID)	: 274, 601, 640E
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1, TP29
Tank codes for RID tanks (RID)	: LGBF
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE4
Hazard identification number (RID)	: 30
Carriage prohibited (RID)	: No

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions  
Contains no REACH candidate substance

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

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Full text of R-, H- and EUH-phrases:

Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H226	Flammable liquid and vapour
H301	Toxic if swallowed
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
R10	Flammable
R20/22	Harmful by inhalation and if swallowed
R25	Toxic if swallowed
R36/37/38	Irritating to eyes, respiratory system and skin
R37	Irritating to respiratory system
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness
N	Dangerous for the environment
T	Toxic
Xi	Irritant
Xn	Harmful

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*