

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.12.2020

Version number 201

Revision: 10.12.2020

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

#### 1.1 Product identifier

**Trade name** KT Degreaser

**UFI:** KF00-Q07A-400T-4H26

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

No further relevant information available.

#### Application of the substance / the mixture

Solvents

Degreaser

Industrial / commercial use

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

##### Manufacturer/Supplier:

Chemtec Chemicals GmbH

August-Siemsen-Straße 13

D-21521 Dassendorf

Germany

Phone: +49 4104 91897 99

E-Mail: [info@ctc-chemtec.de](mailto:info@ctc-chemtec.de)

**Informing department:** Product safety department

#### 1.4 Emergency telephone number:

Medical Emergency information in case of poisoning:

Poison Information Center Mainz - 24h - Phone: +49 (0) 6131 19240 (advisory service in German or English language)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Eye Dam. 1 H318 Causes serious eye damage.

Carc. 2 H351 Suspected of causing cancer.

STOT SE 3 H336 May cause drowsiness or dizziness.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

##### Hazard pictograms



GHS05



GHS07



GHS08



GHS09

**Signal word** Danger

##### Hazard-determining components of labelling:

Hydrocarbons, C10, aromatics, >1% naphthalene

(Contd. on page 2)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 10.12.2020

Version number 201

Revision: 10.12.2020

#### Trade name KT Degreaser

(Contd. of page 1)

Alcohols C9-11, ethoxylated (&gt;5 - ≤10 EO)

#### Hazard statements

H318 Causes serious eye damage.

H351 Suspected of causing cancer.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P261 Avoid breathing mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

#### 2.3 Other hazards

#### Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Description: Mixture of the following components

#### Dangerous components:

EC number: 919-284-0 Reg.nr.: 01-2119463588-24	Hydrocarbons, C10, aromatics, >1% naphthalene ⚠ Carc. 2, H351; Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336	50-100%
CAS: 68439-46-3 Polymer	Alcohols C9-11, ethoxylated (≥2,5 - ≤4 EO) ⚠ Eye Irrit. 2, H319	<5%
CAS: 68439-46-3 Polymer	Alcohols C9-11, ethoxylated (>5 - ≤10 EO) ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	<5%
CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36	2-butoxyethanol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	<2.5%

#### SVHC

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

#### Regulation (EC) No 648/2004 on detergents / Labelling for contents

aromatic hydrocarbons	≥30%
non-ionic surfactants	≥5 - <15%

(Contd. on page 3)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 10.12.2020

Version number 201

Revision: 10.12.2020

**Trade name** KT Degreaser

(Contd. of page 2)

**Additional information** For the wording of the listed hazard phrases refer to section 16.

#### SECTION 4: First aid measures

##### 4.1 Description of first aid measures

**General advice:** Instantly remove any clothing soiled by the product.**After inhalation**

Provide fresh-air circulation. If symptoms continue, consult a doctor. In case of respiratory failure or breathing irregularities, commence resuscitation or oxygen inhalation and immediately consult a doctor. In case of unconsciousness, place und transport the patient in a recovery position.

**After skin contact**

Instantly wash with water and soap and rinse thoroughly. If skin irritation persists, seek medical advice.

**After eye contact**

Rinse immediately opened eye for several minutes under running water. Then consult doctor.

**After swallowing**

Do not induce vomiting; instantly call for medical help.

If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

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

Headache, dizziness, drowsiness, nausea and other CNS effects.

**Information for doctor**

Cleaning of the stomach should only be carried out with endotracheal intubation. Danger of aspiration. Renew lipid coating of the skin in order to protect against dermatitis. Symptomatic treatment.

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

No further relevant information available.

#### SECTION 5: Firefighting measures

##### 5.1 Extinguishing media

**Suitable extinguishing agents**

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

**For safety reasons unsuitable extinguishing agents** Water with a full water jet.

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

Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. The vapour is heavier than air, spreads along the ground and distant ignition is possible.

Can be released in case of fire:  
organic decomposition products

##### 5.3 Advice for firefighters

**Protective equipment:**

See section 8.

Wear full protective suit with self-contained breathing apparatus.

**Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter drains.

(Contd. on page 4)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 10.12.2020

Version number 201

Revision: 10.12.2020

**Trade name KT Degreaser**

(Contd. of page 3)

Endangered containers in the surrounding area should be cooled with a water-hose.

### SECTION 6: Accidental release measures

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

Avoid contact with skin, eyes and clothing. Do not breathe vapour. Ventilate contaminate area thoroughly. Shut off leaks, if possible without personal risk.

Wear protective equipment and keep unprotected persons away.

#### 6.2 Environmental precautions:

Prevent from spreading (e.g. by damming-in or oil barriers).

Do not allow to enter drainage system, surface or ground water.

If large amounts are released, the authorities must be informed.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Contaminated material has to be disposed as waste (see item 13).

#### 6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Keep containers tightly sealed.

Ensure good ventilation/exhaustion at the workplace. Avoid repeated or long-term skin contact.

Prevent formation of aerosols.

#### Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Pay attention to general rules of internal fire prevention.

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

**Storage** Keep containers tightly closed. Store in cool, dry conditions.

#### Requirements to be met by storerooms and containers:

Observe official regulations on storage and handling of water hazardous substances

#### Information about storage in one common storage facility:

Pay attention to regulations / technical guidelines on mixed storage of flammable liquids.

**Further information about storage conditions:** Protect from heat and direct sunlight.

#### 7.3 Specific end use(s)

No further relevant information available.

### SECTION 8: Exposure controls/personal protection

**Additional information about design of technical systems:** No further data; see item 7.

(Contd. on page 5)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 10.12.2020

Version number 201

Revision: 10.12.2020

**Trade name KT Degreaser**

(Contd. of page 4)

### 8.1 Control parameters

**Components with critical values that require monitoring at the workplace:**

**Hydrocarbons, C10, aromatics, >1% naphthalene (50-100%)**

TWA (8H) Long-term value: 100 mg/m<sup>3</sup>  
RCP TWA; total hydrocarbons

**CAS: 111-76-2 2-butoxyethanol (<2.5%)**

WEL Short-term value: 246 mg/m<sup>3</sup>, 50 ppm  
Long-term value: 123 mg/m<sup>3</sup>, 25 ppm  
Sk, BMGV

#### DNELs

**Hydrocarbons, C10, aromatics, >1% naphthalene**

Oral	DNEL (population)	7.5 mg/kg bw/day (Long-term - systemic effects)
Dermal	DNEL (worker)	12.5 mg/kg bw/day (Long-term - systemic effects)
	DNEL (population)	7.5 mg/kg bw/day (Long-term - systemic effects)
Inhalative	DNEL (worker)	151 mg/m <sup>3</sup> (Long-term - systemic effects)
	DNEL (population)	32 mg/m <sup>3</sup> (Long-term - systemic effects)

**Ingredients with biological limit values:**

**CAS: 111-76-2 2-butoxyethanol (<2.5%)**

BMGV 240 mmol/mol creatinine  
Medium: urine  
Sampling time: post shift  
Parameter: butoxyacetic acid

**Additional information:** The lists that were valid during the compilation were used as basis.

### 8.2 Exposure controls

**Personal protective equipment**

**General protective and hygienic measures**

Keep away from food, beverages and fodder.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Gases, fumes and aerosols should not be inhaled.

**Breathing equipment:** Use breathing protection in case of insufficient ventilation.

**Recommended filter device for short term use:** Combination filter A-P2

**Protection of hands:**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

Nitrile rubber, NBR, recommended thickness of the material: ≥ 0.4 mm, penetration time: ≥ 480 min.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 6)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 10.12.2020

Version number 201

Revision: 10.12.2020

**Trade name** KT Degreaser

(Contd. of page 5)

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**As protection from splashes gloves made of the following materials are suitable:**

PVC gloves

Chloroprene rubber, CR

**Eye protection:** Tightly sealed safety glasses.

**Body protection:**

Standard protective clothing. Chemical resistant safety-shoes or boots. If skin contact is possible, wear impenetrable protective clothing against this solvent.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

**Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Colourless
<b>Smell:</b>	Aromatic
<b>Odour threshold:</b>	Not determined.

**pH-value:** not applicable

#### Change in condition

<b>Melting point/freezing point:</b>	Not determined
<b>Initial boiling point and boiling range:</b>	Not determined

**Flash point:** 64 °C  
Product is non-flammable nor potentially explosive

**Inflammability (solid, gaseous)** Not applicable.

**Ignition temperature:** 449 °C  
(lowest level for individual components)

**Decomposition temperature:** Not determined.

**Self-inflammability:** Product is not selfigniting.

**Explosive properties:** Product is not potentially explosive

#### Critical values for explosion:

<b>Lower:</b>	0.6 Vol %
<b>Upper:</b>	10.6 Vol %

**Vapour pressure:** Not determined.

<b>Density at 20 °C</b>	0.889 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.

**Solubility in / Miscibility with Water:** Not miscible or difficult to mix

(Contd. on page 7)



## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 10.12.2020

Version number 201

Revision: 10.12.2020

**Trade name** KT Degreaser

(Contd. of page 6)

**Partition coefficient: n-octanol/water:** Not determined.

**Viscosity:**

**dynamic:**

Not determined.

**kinematic:**

Not determined.

**9.2 Other information**

No further relevant information available.

## SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.

**10.2 Chemical stability**

**Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

**10.3 Possibility of hazardous reactions** Reacts with strong oxidizing agents

**10.4 Conditions to avoid** Avoid all sources of ignition: heat, sparks, open flames.

**10.5 Incompatible materials:** strong oxidizing agents

**10.6 Hazardous decomposition products:**

Thermal decomposition can produce a variety of compounds, the precise nature of which will depend on the decomposition conditions.

**Additional information:**

Incomplete combustion will generate smoke, carbon dioxide and hazardous gases, which will include carbon monoxide.

## SECTION 11: Toxicological information

**11.1 Information on toxicological effects**

**Acute toxicity** Based on available data, the classification criteria are not met.

**LD/LC50 values that are relevant for classification:**

**ATE (Acute Toxicity Estimates)**

Oral	LD50	>12,500-40,000 mg/kg
Dermal	LD50	53,000 mg/kg (rabbit)
Inhalative	LC 50 / 4 h	500-1,000 mg/l (rat)

**Hydrocarbons, C10, aromatics, >1% naphthalene**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
		>3,500 mg/kg (rabbit)

**Primary irritant effect:**

**Skin corrosion/irritation**

Prolonged/repeated skin contact may cause defatting, dryness and other skin complaints and inflammations (dermatitis).

**Serious eye damage/irritation**

Causes serious eye damage.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

(Contd. on page 8)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 10.12.2020

Version number 201

Revision: 10.12.2020

**Trade name** *KT Degreaser*

(Contd. of page 7)

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity**

Suspected of causing cancer.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure**

May cause drowsiness or dizziness.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard**

May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Aquatic toxicity:**

**Hydrocarbons, C10, aromatics, >1% naphthalene**

LL 50 / 96 h	2-5 mg/l (Oncorhynchus mykiss)
EL 50 / 72 h	1-3 mg/l (Pseudokirchneriella subcapitata)
EL 50 / 48 h	3-10 mg/l (Daphnia magna)
EC 50	1-10 mg/l (Bacteria)
NOELR	0.487 mg/l (Oncorhynchus mykiss) (28 d)
	0.851 mg/l (Daphnia magna) (28 d)
	2.5 mg/l (Pseudokirchneriella subcapitata) (72 h)

**12.2 Persistence and degradability** Oxidises rapidly by photo-chemical reactions in air.

**12.3 Bioaccumulative potential**

Swims on water. Adsorbs to soil and has low mobility. Bioaccumulation potentially possible.

**12.4 Mobility in soil** No further relevant information available.

**Ecotoxicological effects:**

**Remark:**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Toxic for fish

**Additional ecological information:**

**General notes:**

Water hazard class 2 (Self-assessment): hazardous for water according to German AwSV.

Do not allow product to reach ground water, water bodies or sewage system.

Toxic for aquatic organisms

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

GB

(Contd. on page 9)



## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 10.12.2020

Version number 201

Revision: 10.12.2020

**Trade name KT Degreaser**

(Contd. of page 8)

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

##### Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Contaminated water to separate by separator and dispose off in line with administrative regulations.

##### Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

**Uncleaned packagings:** Disposal must be made according to official regulations.

##### Recommendation:

After complete emptying and cleaning, send to be reconditioned or recycled.

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

### SECTION 14: Transport information

#### 14.1 UN-Number

ADR, IMDG, IATA UN3082

#### 14.2 UN proper shipping name

ADR	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkyl(C3-C4)benzene)
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkyl(C3-C4)benzene), MARINE POLLUTANT
IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkyl(C3-C4)benzene)

#### 14.3 Transport hazard class(es)

ADR	
Class	9 (M6) Miscellaneous dangerous substances and articles.
Label	9
<hr style="border-top: 1px dashed #000;"/>	
IMDG, IATA	
Class	9 Miscellaneous dangerous substances and articles.
Label	9

#### 14.4 Packing group

ADR, IMDG, IATA III

(Contd. on page 10)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 10.12.2020

Version number 201

Revision: 10.12.2020

#### Trade name **KT Degreaser**

(Contd. of page 9)

<b>14.5 Environmental hazards:</b>	<i>Product contains environmentally hazardous substances: Alkyl(C3-C4)benzene</i>
<b>Marine pollutant:</b>	Yes (P)
<b>Special marking (ADR):</b>	Symbol (fish and tree)
<b>Special marking (IATA):</b>	Symbol (fish and tree)

<b>14.6 Special precautions for user</b>	<i>Warning: Miscellaneous dangerous substances and articles.</i>
<b>Kemler Number:</b>	90
<b>EMS Number:</b>	F-A, S-F
<b>Stowage Category</b>	A

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** *Not applicable.*

<b>Transport/Additional information:</b>	<i>Not dangerous according to the above specifications.</i>
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<b>ADR</b>	
<b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>Transport category</b>	3

<b>IMDG</b>	
<b>Limited quantities (LQ)</b>	5L
<b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

<b>UN "Model Regulation":</b>	<i>UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALKYL(C3-C4) BENZENE), 9, III</i>
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### SECTION 15: Regulatory information

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

##### **TSCA (Toxic Substances Control Act)**

*All ingredients are listed.*

##### **Canadian Domestic Substances List (DSL)**

*All ingredients are listed.*

##### **Philippines Inventory of Chemicals and Chemical Substances**

*All ingredients are listed.*

##### **Chinese Chemical Inventory of Existing Chemical Substances**

*All ingredients are listed.*

(Contd. on page 11)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 10.12.2020

Version number 201

Revision: 10.12.2020

**Trade name KT Degreaser**

(Contd. of page 10)

#### **Australian Inventory of Industrial Chemicals**

All ingredients are listed.

#### **Korean Existing Chemical Inventory**

All ingredients are listed.

#### **New Zealand Inventory of Chemicals**

All ingredients are listed.

#### **TCSI - Taiwan Chemical Substance Inventory**

All ingredients are listed.

#### **Existing Chemical Substances (Japan)**

All ingredients are listed.

#### **Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

**Seveso category E2** Hazardous to the Aquatic Environment

**Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

**Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

#### **National regulations**

#### **Information about limitation of use:**

Employment restrictions concerning young persons must be observed.

#### **Technical instructions (air):**

Class	Share in %
I	50-100
NK	<2.5

**Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

#### **Other regulations, limitations and prohibitive regulations**

Kohlenwasserstoffe, C10, Aromaten, >1% Naphthalin : CAS 64742-94-5

#### **please note:**

The following substance(s) in this product is (are) identified by the CAS-number in all countrys not subject to REACH-Regulation or in Regulations, which are not yet updated according to the new name convention for Hydrocarbons :

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## **SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### **Relevant phrases**

Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H318 Causes serious eye damage.

(Contd. on page 12)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 10.12.2020

Version number 201

Revision: 10.12.2020

### Trade name KT Degreaser

(Contd. of page 11)

H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H336 May cause drowsiness or dizziness.  
H351 Suspected of causing cancer.  
H411 Toxic to aquatic life with long lasting effects.

**Department issuing data specification sheet:** see item 1: Informing department

#### Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
LEV: Local Exhaust Ventilation  
RPE: Respiratory Protective Equipment  
RCR: Risk Characterisation Ratio (RCR= PEC/PNEC and RCR= Estimated Exposition/DNEL)  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
P: Marine Pollutant  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
DNEL: Derived No-Effect Level (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
SVHC: Substance of Very High Concern  
SVHC: Substances of Very High Concern  
vPvB: very Persistent and very Bioaccumulative  
Acute Tox. 4: Acute toxicity - oral – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Carc. 2: Carcinogenicity – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
Asp. Tox. 1: Aspiration hazard – Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

**\* Data compared to the previous version altered.**