

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 17.05.2024

Version number 13 (replaces version 12)

Revision: 29.09.2022

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

1.1 Product identifier

Trade name: **FloorPro Deep Cleaner, acidic RM 751**

UFI: GVU0-K0TC-400X-VPV7

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

Restricted to professional users.

Application of the substance / the mixture Detergent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Alfred Kärcher SE & Co. KG

Alfred-Kärcher-Str. 28-40

D - 71364 Winnenden

Tel.: +49-7195-14-0

Internet: www.karcher.com

Further information obtainable from:

Regulatory Affairs

Tel.: +49-7195-14-0

productsafety.management.de@karcher.com

1.4 Emergency telephone number:

For Hazardous Materials [or Dangerous Goods] Incidents

Spill, Leak, Fire, Exposure, or Accident

Call CHEMTREC Day or Night

Within USA and Canada: 1-800-424-9300

Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Met. Corr. 1 H290 May be corrosive to metals.

Skin Corr. 1 H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

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

(Contd. on page 2)

EU

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 17.05.2024

Version number 13 (replaces version 12)

Revision: 29.09.2022

Trade name: FloorPro Deep Cleaner, acidic RM 751

(Contd. of page 1)

· **Signal word** Danger

· **Hazard-determining components of labelling:**

sulphamic acid

· **Hazard statements**

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

· **Precautionary statements**

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

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.

P310 Immediately call a POISON CENTER/doctor.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **2.3 Other hazards**

The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Determination of endocrine-disrupting properties** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Cleaning agent

· **Dangerous components:**

CAS: 5329-14-6 EINECS: 226-218-8 Index number: 016-026-00-0 Reg.nr.: 01-2119488633-28-xxxx	sulphamic acid ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	10-20%
CAS: 112-34-5 EINECS: 203-961-6 Index number: 603-096-00-8 Reg.nr.: 01-2119475104-44-xxxx	2-(2-butoxyethoxy)ethanol ⚠ Eye Irrit. 2, H319	1-5%
CAS: 15763-76-5 EINECS: 239-854-6 Reg.nr.: 01-2119489411-37-xxxx	sodium p-cumenesulphonate ⚠ Eye Irrit. 2, H319	1-5%
CAS: 84962-20-9 EINECS: 284-716-0 Reg.nr.: 01-2119969464-25-XXXX	Phosphoric acid, mixed esters with Bu alc. and ethylene glycol ⚠ Met. Corr.1, H290; Eye Dam. 1, H318	≥3-≤5%
CAS: 61725-89-1	fatty alcohol ethoxylate Alternative CAS number: 120313-48-6 ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; ⚠ Skin Irrit. 2, H315; Aquatic Chronic 3, H412	≥1-<2.5%

(Contd. on page 3)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 17.05.2024

Version number 13 (replaces version 12)

Revision: 29.09.2022

Trade name: FloorPro Deep Cleaner, acidic RM 751

(Contd. of page 2)

CAS: 111905-52-3	aliphatic alcohols, C9-C11, mostly linear, ethoxylated, butoxylated	0.1-1%
	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	

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

phosphates, non-ionic surfactants

<5%

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 information

Involve doctor immediately.

Immediately remove any clothing soiled by the product.

After inhalation

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

After skin contact

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

Immediately rinse with water.

After eye contact

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

After swallowing

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Corneal damage

Hazards

No further relevant information available.

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

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

EU

(Contd. on page 4)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 17.05.2024

Version number 13 (replaces version 12)

Revision: 29.09.2022

Trade name: FloorPro Deep Cleaner, acidic RM 751

(Contd. of page 3)

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing.
Ensure adequate ventilation
Avoid contact with eyes and skin.
Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
Do not allow to penetrate the ground/soil.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Use neutralising agent.
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.

· 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 disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Use only in well ventilated areas.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid contact with eyes and skin.

· Information about fire - and explosion protection: The product is not flammable

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage

· Requirements to be met by storerooms and receptacles:

Store only in unopened original receptacles.
Store only in the original receptacle.

· Information about storage in one common storage facility: Keep away from food, beverages and feed.

· Further information about storage conditions:

Storage in a collecting room is required.
Keep receptacle tightly sealed.

· 7.3 Specific end use(s) No further relevant information available.

EU
(Contd. on page 5)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 17.05.2024

Version number 13 (replaces version 12)

Revision: 29.09.2022

Trade name: FloorPro Deep Cleaner, acidic RM 751

(Contd. of page 4)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

112-34-5 2-(2-butoxyethoxy)ethanol

IOELV	Short-term value: 101.2 mg/m ³ , 15 ppm
	Long-term value: 67.5 mg/m ³ , 10 ppm

DNELs

15763-76-5 sodium p-cumenesulphonate

Oral	DNEL	3.8 mg/kg×d (consumer)
Dermal	DNEL	136.25 mg/kg×d (employee)
		68.1 mg/kg×d (consumer)
Inhalative	DNEL	26.9 mg/m ³ (employee)
		6.6 mg/m ³ (consumer)

PNECs

15763-76-5 sodium p-cumenesulphonate

PNEC	0.23 mg/l (freshwater)
	0.023 mg/l (marine water)
	100 mg/l (STP)
PNEC sediment	0.862 mg/kg (freshwater)
	0.086 mg/kg (marine water)
PNEC soil	0.037 mg/kg (soil)

8.2 Exposure controls

• **Appropriate engineering controls** No further data; see section 7.

• **Individual protection measures, such as personal protective equipment**

• **General protective and hygienic measures**

Do not inhale gases / fumes / aerosols.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

• **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter A/P2.

• **Hand protection**

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



Protective gloves.

• **Material of gloves** Butyl rubber, BR

(Contd. on page 6)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 17.05.2024

Version number 13 (replaces version 12)

Revision: 29.09.2022

Trade name: FloorPro Deep Cleaner, acidic RM 751

(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.
- **For the permanent contact gloves made of the following materials are suitable:**
 - * butyl rubber 0,7 mm, 480 min (EN 374)
- **As protection from splashes gloves made of the following materials are suitable:**
 - * nitril rubber 0,4 mm, 30 min (EN 374)
- **Not suitable are gloves made of the following materials:**
Strong material gloves
Leather gloves
- **Eye/face protection**
 Tightly sealed goggles (EN 166)
- **Body protection:**
Acid resistant protective clothing
Boots

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Fluid
- **Colour:** Red
- **Odour:** Product specific
- **Odour threshold:** Not determined.
- **Melting point/freezing point:** -1 °C
- **Boiling point or initial boiling point and boiling range** undetermined
- **Flammability** Not applicable.
- **Lower and upper explosion limit**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Flash point:** Not applicable
- **Auto-ignition temperature:** not applicable
- **Decomposition temperature:** Not determined.
- **pH at 20 °C** 0.7
- **pH-value 1 %:** 1-3
- **Viscosity:**
- **Kinematic viscosity** Not determined.
- **dynamic at 20 °C:** 4 mPas
- **Solubility**
- **Water:** Fully miscible
- **Partition coefficient n-octanol/water (log value)** Not determined.
- **Vapour pressure:** Not determined.
- **Density and/or relative density**
- **Density at 20 °C:** 1.089 g/cm³
- **Relative density** Not determined.

(Contd. on page 7)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 17.05.2024

Version number 13 (replaces version 12)

Revision: 29.09.2022

Trade name: FloorPro Deep Cleaner, acidic RM 751

(Contd. of page 6)

· Vapour density	Not determined.
· Relative gas density	Not determined.
· Particle characteristics	Not applicable.
· 9.2 Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Solids content:	22.0 %
· Change in condition	
· Softening point/range	
· Oxidising properties	no
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	May be corrosive to metals.
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** corresponds to 10.3
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
Corrosive action on metals
Reacts with alkali (lyes)

(Contd. on page 8)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 17.05.2024

Version number 13 (replaces version 12)

Revision: 29.09.2022

Trade name: FloorPro Deep Cleaner, acidic RM 751

(Contd. of page 7)

Forms hydrogen in aqueous solution with metals

Reacts with light alloys to form hydrogen

- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**
Not suitable for surfaces that are attacked by acids (limestone, marble, brick, aluminium, etc.).
metals
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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

- **LD/LC50 values relevant for classification:**

112-34-5 2-(2-butoxyethoxy)ethanol

Oral LD50 2410 mg/kg (mouse) (OECD 401)

Dermal LD50 2764 mg/kg (Rabbit)

15763-76-5 sodium p-cumenesulphonate

Oral LD50 >5000 mg/kg (Rat) (OECD 401)

Dermal LD50 >2000 mg/kg (Rabbit)

84962-20-9 Phosphoric acid, mixed esters with Bu alc. and ethylene glycol

Oral LD50 3575 mg/kg (Rat) (OECD 401)

111905-52-3 aliphatic alcohols, C9-C11, mostly linear, ethoxylated, butoxylated

Oral LD50 >2000-<5000 mg/kg (Rat)

- **Skin corrosion/irritation** Causes severe skin burns and eye damage.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

EU

(Contd. on page 9)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 17.05.2024

Version number 13 (replaces version 12)

Revision: 29.09.2022

Trade name: FloorPro Deep Cleaner, acidic RM 751

(Contd. of page 8)

SECTION 12: Ecological information

- 12.1 Toxicity
- Aquatic toxicity:
Not applicable

5329-14-6 sulphamic acid

LC50/96 h	70.3 mg/l (Pimephales promelas)
ErC50/72h	48 mg/l (Algae)

112-34-5 2-(2-butoxyethoxy)ethanol

LC50/96 h	1300 mg/l (Lepomis macrochirus)
EC10/16 h	1170 mg/l (Pseudomonas putida)
EC50/24 h	2850 mg/l (Daphnia magna) (DIN 38412)
NOEC	>100 mg/l (Desmodesmus subspicatus)

15763-76-5 sodium p-cumenesulphonate

LC50/96 h (static)	>100 mg/l (Oncorhynchus mykiss)
EC50/48 h (static)	>100 mg/l (Daphnia magna)
EC50/96 h (static)	>100 mg/l (Pseudokirchneriella subcapitata)

84962-20-9 Phosphoric acid, mixed esters with Bu alc. and ethylene glycol

LC50/96 h	>100 mg/l (Brachydanio rerio) (OECD 203)
EC50/48 h	>100 mg/l (Daphnia magna) (OECD 202)
ErC10/72h (static)	>100 mg/l (Desmodesmus subspicatus)
ErC50/72h (static)	>100 mg/l (Desmodesmus subspicatus) (OECD 201)

61725-89-1 fatty alcohol ethoxylate

LC50/96 h (static)	>0.1-1 mg/l (Brachydanio rerio)
EC50/48 h	>1-10 mg/l (Aquatic invertebrates)
EC50/72 h	>0.1-1 mg/l (Aquatic plants)
EC10/72 h	>0.1-1 mg/l (Water plants)

111905-52-3 aliphatic alcohols, C9-C11, mostly linear, ethoxylated, butoxylated

LC50/96 h	>1-<10 mg/l (Leuciscus idus)
EC50	>1-<10 mg/l (Daphnia magna)
	>10-<100 mg/l (Algae)
NOEC	>0.1-<1 mg/l (Daphnia magna)
	>0.1-<1 mg/l (Algae)

- 12.2 Persistence and degradability No further relevant information available.

Degree of elimination:

112-34-5 2-(2-butoxyethoxy)ethanol

OECD 301C	80-90 % (28 d)
OECD 301E	>70 % (28 d)
OECD 302B	100 % (28 d)

(Contd. on page 10)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 17.05.2024

Version number 13 (replaces version 12)

Revision: 29.09.2022

Trade name: FloorPro Deep Cleaner, acidic RM 751

(Contd. of page 9)

- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**

The product does not contain organically bounded halogens (AOX-free).

The product does not contain organic complexing agents.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Must be specially treated adhering to official regulations.

· European waste catalogue

20 01 29*	detergents containing hazardous substances
-----------	--

· Uncleaned packaging:

· Recommendation:

Non contaminated packagings may be recycled.

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

· Recommended cleansing agents:

Water, if necessary together with cleaning agents.

EU

(Contd. on page 11)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 17.05.2024

Version number 13 (replaces version 12)

Revision: 29.09.2022

Trade name: FloorPro Deep Cleaner, acidic RM 751

(Contd. of page 10)

SECTION 14: Transport information

· 14.1 UN number or ID number	
· ADR, IMDG, IATA	UN3264
· 14.2 UN proper shipping name	
· ADR	3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (SULPHAMIC ACID)
· IMDG, IATA	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (SULPHAMIC ACID)
· 14.3 Transport hazard class(es)	
· ADR	
	
· Class	8 (C1) Corrosive substances.
· Label	8
· IMDG, IATA	
	
· Class	8 Corrosive substances.
· Label	8
· 14.4 Packing group	
· ADR, IMDG, IATA	III
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Warning: Corrosive substances.
· Hazard identification number (Kemler code):	80
· EMS Number:	F-A,S-B
· Stowage Category	A
· Stowage Code	SW2 Clear of living quarters.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

(Contd. on page 12)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 17.05.2024

Version number 13 (replaces version 12)

Revision: 29.09.2022

Trade name: FloorPro Deep Cleaner, acidic RM 751

(Contd. of page 11)

· Transport category	3
· Tunnel restriction code	E
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (SULPHAMIC ACID), 8, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 55
- National regulations
- Information about limitation of use: Employment restrictions concerning juveniles must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
A product information sheet can be provided if requested.

- **Relevant phrases**
- H290 May be corrosive to metals.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H400 Very toxic to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.

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

Corrosive to metals	On basis of test data
Skin corrosion/irritation	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
Serious eye damage/irritation	

- **Contact:**
- Regulatory Affairs
- Tel.: +49-7195-14-0
- productsafety.management.de@karcher.com
- **Version number of previous version:** 12

(Contd. on page 13)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 17.05.2024

Version number 13 (replaces version 12)

Revision: 29.09.2022

Trade name: FloorPro Deep Cleaner, acidic RM 751*(Contd. of page 12)***Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
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)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Met. Corr. 1: Corrosive to metals – Category 1
Skin Corr. 1: Skin corrosion/irritation – Category 1
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
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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

0·011-136·0

RM 751/6

2·610

EU