

FON 0049 (0) 6221 - 520 440 FAX 0049 (0) 6221 - 520 449

MAIL INFO@CHAMAELEON-PRODUKTION.DE WEB WWW.CHAMAELEON-PRODUKTION.DE

Revision date: 13.04.2023

SAFETY DATA SHEET according to 1907/2006/EC, Article 31

<u>1- IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE</u> COMPANY/UNDERTAKING

Product details

Trade name: Aerosol Clear coat matt

Article number: 26406

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

No further relevant information available.

Sector of Use:

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU21 Consumer uses: Private households / general public / consumers

Product category: Paint remover

Process category:

PROC7 Industrial spraying

PROC11 Non industrial spraying

Intended use: Car refinishing Product/ Spray varnish

Manufacturer/Supplier: Chamäleon GmbH

Rudolf-Diesel-Straße, 8a, 69115 Heidelberg -- Germany

Further information obtainable from: Product Safety Department

Information in case of emergency: + 49 70024112112 (CH)

2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008



Flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



Corrosion

Eye Dam. 1 H318 Causes serious eye damage.





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Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Label elements

Labelling according to Regulation (EC) No 1272/2008

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

Hazard pictograms







GHS02 GHS05 GHS07

Signal word Danger

Hazard-determining components of labelling:

butan-1-ol

Hydrocarbons, C9, aromatics

xylene

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P260 Do not breathe spray.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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

Additional information:

Buildup of explosive mixtures possible without sufficient ventilation.

Other hazards

STEUERNUMMER/TAX NR.: DE 231468544





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Results of PBT and vPvB assessment

PBT: Not applicable. vPvB: Not applicable.

3- COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 115-10-6	dimethyl ether	50-<75%
EINECS: 204-065-8 Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	
	Hydrocarbons, C9, aromatics	10-<12.5%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Flam. Liq. 3, H226, Asp. Tox. 1, H304 Aquatic Chronic 2, H411, STOT SE 3, H335- H336, EUH066	
	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5%	5-<10%
EC number: 921-024-6 Reg.nr.: 01-2119475514-35	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; STOT SE 3, H336	
	xylene	5-<10%
EC number: 905-588-0 Reg.nr.: 01-2119488216-32-xxxx	Flam. Liq. 3, H226 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	
	butan-1-ol	5-<10%
CAS: 71-36-3 EINECS: 200-751-6 Index number: 603-004-00-6 Reg.nr.: 01-2119484630-38	Flam. Liq. 3, H226 Eye Dam. 1, H318 Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	
CAS: 100-41-4 EINECS: 202-849-4	ethylbenzene	<2.5%



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Index number: 601-023-00-4
Reg.nr.: 01-2119489370-35
Flam. Liq. 2, H225, STOT RE 2, H373; Asp.
Tox. 1, H304, Acute Tox. 4, H332, Aquatic
Chronic 3, H412

Additional information:

The content of Benzene (EINECS-Nr. 200-753-7) in the ingredients is less than 0,1% (Note P Annex 1A 1272/2008 EU), so the classification as carcinogen need not to apply.

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

4– FIRST - AID MEASURE

Description of first aid measures

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

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

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

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

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

<u>5– FIRE - FIGHTING MEASURE</u>

Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

Advice for firefighters -

Protective equipment: Mouth respiratory protective device.

<u>6– ACCIDENTAL RELEASE MEASURE</u>

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

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Keep away from ignition sources.

Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Use neutralising agent.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

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.

7- HANDLING AND STORAGE

Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Keep respiratory protective device available.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurised containers.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep container tightly sealed.

Storage class: 2 B

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

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Ingredients with limit values that require monitoring at the workplace:		
115-10-6 dimethyl ether		
WEL	Short-term value: 958 mg/m³, 500 ppm Long-term value: 766 mg/m³, 400 ppm	
xylene		



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WEL	Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm; Sk; BMGV				
71-36-3 butan	-1-ol				
WEL	Short-term value: 154 mg/m³, 50 ppm Sk				
100-41-4 ethy	100-41-4 ethylbenzene				
WEL	Short-term value: 552 mg/m³, 125 ppm Long-term value: 441 mg/m³, 100 ppm Sk				
DNELs					
Hydrocarbons	, C9, arom	atics			
Oral	DNEL	11 mg/kg /per day (Consumer, longterm systemic)			
Dermal	DNEL	25 mg/kg /per day (Worker, longterm systemic)			
	DNEL	11 mg/kg /per day (Consumer, longterm systemic)			
Inhalative	DNEL	150 mg/m3 (Worker, longterm systemic)			
	DNEL	32 mg/m3 (Consumer, longterm systemic)			
Hydrocarbons	, C6-C7, n-	-alkanes, isoalkanes, cyclics, <5% n-hexane			
Oral	DNEL	699 mg/kg (Consumer, longterm systemic)			
Dermal	DNEL	773 mg/kg (Worker, longterm systemic)			
	DNEL	699 mg/kg (Consumer, longterm systemic)			
Inhalative	DNEL	2035 mg/m3 (Worker, longterm systemic)			
	DNEL	608 mg/m3 (Consumer, longterm systemic)			
xylene					
Oral	DNEL	1.6 mg/kg /per day (Consumer, longterm systemic)			
Dermal	DNEL	180 mg/kg /per day (Worker, longterm systemic)			
Inhalative	DNEL	211 mg/m3 (Worker, longterm systemic)			
	DNEL	221 mg/m3 (Worker, longterm local)			
	DNEL	442 mg/m3 (Worker, acute systemic)			
	DNEL	289 mg/m3 (Worker, acute local)			
	DNEL	14.8 mg/m3 (Consumer, longterm systemic)			
	DNEL	260 mg/m3 (Consumer; acute systemic)			
	DNEL	65.3 mg/m3 (Consumer, longterm local)			
	DNEL	260 mg/m3 (Consumer, acute local)			
71-36-3 butan	-1-ol				
Oral	DNEL	3.125 mg/kg /per day (Consumer, longterm systemic)			
Inhalative	DNEL	310 mg/m3 (Worker, longterm local)			
	DNEL	55 mg/m3 (Consumer, longterm local)			
PNECs					
71-36-3 butan	-1-ol				



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PNEC	0.082 mg/l (Freshwater)	
PNEC	0.0082 mg/l (Seawater)	
PNEC	2.25 mg/l (Sporadic release)	
PNEC	2476 mg/l (Sewage treatment plant)	
PNEC	0.178 mg/kg (Freshwater sediment)	
PNEC	0.0178 mg/kg (Seawater sediment)	
PNEC	0.015 mg/kg (Soil)	
Ingredients w	Ingredients with biological limit values:	
xylene		
BMGV	650 mmol/mol creatinine	
	Medium: urine	
	Sampling time: post shift	
	Parameter: methyl hippuric acid	

Additional information: The lists valid during the making were used as basis.

Exposure controls

Appropriate engineering controls No further data; see section 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Avoid contact with the eyes.

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 A2/P3

Protection of hands: Protective gloves

Material of gloves

Butyl rubber, BR

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.

Penetration time of glove material:

Butyl rubber gloves with a thickness of 0.4 mm are resistant to:

Acetone: 480 min Butyl acetate: 60 min Ethyl acetate: 170 min

Xylene: 42 min

Butyl rubber gloves with a thickness of 0.4 mm are solvent resistant for 42- 480 minutes. As protective measure, we recommend that users and responsible persons for work safety assume solvent resistance length of 42 minutes. Considering the data in section 3 of this SDS, one can assume longer resistance length in particular cases.



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Eye/face protection: Tightly sealed goggles

9 – PHYSICAL AND CHEMICAL PROPERTIES

and chemical properties

Information on basic physical

General Information

Physical state:
Colour:
Colour:
Colourless
Odour:
Solvent-like
Not determined.

Melting point/freezing point: *Undetermined.*

Boiling point or initial boiling point and

boiling range Not applicable, as aerosol.

Flammability: Not applicable.

Lower and upper explosion limit

Lower: 0.7 Vol % **Upper:** 26.2 Vol %

Flash point: *Not applicable, as aerosol.*

Auto-ignition temperature: >200 °C (>392 °F)

Decomposition temperature: Not determined.

PH Not determined.

Viscosity:

Kinematic viscosity Dynamic:Not determined.
Not determined.

Solubility

water: Not miscible or difficult to mix.

Partition coefficient n-octanol/water (log value) Not determined. Vapour pressure at 20 °C (68 °F): 4000 hPa (3000.2 mm Hg)

Density and/or relative density

Density at 20 °C (68 °F): 0.8 g/cm³ (6.7 lbs/gal)

Relative density Vapour densityNot determined.

Not determined.



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Other information

Appearance:

Form: Aerosol Important information on protection of health and

environment, and on safety.

Explosive properties: *Not determined.*

Solvent content:

Organic solvents: 87.5 %

VOC (EC)

 $660.3 \, g/l$

VOC-EU% 87.45 % **Solids content:** 13.0 %

Change in condition

Evaporation rate *Not applicable.*

Information with regard to physical hazard classes Explosives Void

Flammable gases Void

Aerosols Extremely flammable aerosol. Pressurised container:

May burst if heated.

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 Void

<u>10– STABILITY AND REACTIVITY</u>

Reactivity No further relevant information available.

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to

Desensitised explosives

Void



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specifications.

Possibility of hazardous reactions: No dangerous reactions known. **Conditions to avoid** No further relevant information available. **Incompatible materials:** No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

11- TOXILOGICAL INFORMATION

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:			
Hydrocarbons, C9, aromatics			
Oral Dermal	LD50 LD50	>5000 mg/kg (rat) (OECD 401) >2000 mg/kg (rab) (OECD 402)	
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane			
Oral Dermal Inhalative	LD50 LD50 LC50 / 4h	>5840 mg/kg (rat) >2920 mg/kg (rab) >25.2 mg/l (rat)	
xylene			
Oral Dermal Inhalative 71-36-3 butan-1-ol	LD50 LD50 LC50 / 4h	3523 mg/kg (rat) 2000 mg/kg (rabbit) 29000 mg/m3 (rat)	
Oral Dermal Inhalative	LD50 LD50 LC50 / 4h	2292 mg/kg (rat) 3430 mg/kg (rabbit) 17000 mg/m3 (rat)	
100-41-4 ethylbenzene			
Oral	LD50	3500 mg/kg (rat)	

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye damage.

Respiratory or skin sensitisation No sensitising effects known.

STOT-single exposure May cause respiratory irritation. May cause drowsiness or dizziness.

Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.



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12 – ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity:			
115-10-6 dimethyl ether			
EC50 / 96 h LC50 / 48 h LC50 / 96 h	155 mg/l (algae) >4000 mg/l (daphnia magna) >4000 mg/l (fish)		
Hydrocarbons, C9, aron	Hydrocarbons, C9, aromatics		
EC50 / 48 h EC50 / 72 h EC50 / 96 h	302 mg/l (daphnia magna) 2.75 mg/l (Pseudokirchneriella subcapitata) 9.2 mg/l (Regenbogenforelle)		
Hydrocarbons, C6-C7, 1	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane		
EC50 / 48 h EC50 / 72 h EC50 / 96 h	3 mg/l (daphnia magna) 30-100 mg/l (algae) 11.4 mg/l (fish)		
xylene			
EC50 / 48 h LC50 / 96 h 71-36-3 butan-1-ol	7.4 mg/l (daphnia magna) 13.5 mg/l (fish)		
LC50 / 96 h	1376 mg/l (fish)		

Persistence and degradability No further relevant information available.

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Results of PBT and vPvB assessment

PBT: Not applicable. **vPvB:** Not applicable.

Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

Other adverse effects Remark: Harmful to fish

Additional ecological information:

General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

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

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

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms





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13- DISPOSAL CONSIDERATION

Waste treatment methods

Recommendation

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

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14- TRANSPORT INFORMATION

UN number or ID number

ADR, IMDG, IATA UN1950

UN proper shipping name

ADR 1950 AEROSOLS **IMDG AEROSOLS**

AEROSOLS, flammable **IATA**

Transport hazard class(es) **ADR**



2 5F Gases. Class

Label 2.1

IMDG, IATA



Class 2.1 Gases.

2.1 Label

Packing group

ADR, IMDG, IATA not regulated

Environmental hazards: Not applicable.

STEUERNUMMER/TAX NR.: DE 231468544 EORI NR./CUSTOMS NR.: DE 6029442 / HRB 9778 GESCHÄFTSFÜHRER/CEO: SASCHA HAGEMANN

BANK HEIDELBERGER VOLKSBANK EG IBAN DE78 6729 0000 0042 8627 03 BIC GENODE61HD1



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Special precautions for user Warning: Gases.

Hazard identification number (Kemler code): -

EMS Number: F-D,S-U

Stowage Code SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear

of living quarters.

Segregation Code SG69 For AEROSOLS with a maximum capacity of 1 litre:

Segregation as for class 9. Stow "separated from" class 1

except for division 1.4.

For AEROSOLS with a capacity above 1 litre:

Segregation as for the appropriate subdivision of class 2.

For WASTE AEROSOLS:

Segregation as for the appropriate subdivision of class 2.

Maritime transport in bulk according to IMO

Instruments Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ) 1L

Excepted quantities (EQ) Code: E0

Not permitted as Excepted Quantity

Transport category 2
Tunnel restriction code D

IMDG

Limited quantities (LQ) 1L

Excepted quantities (EQ) Code: E0

Not permitted as Excepted Quantity

UN "Model Regulation": UN 1950 AEROSOLS, 2.1

<u>15 – REGULATORY INFORMATION</u>

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.

Seveso category P3a FLAMMABLE AEROSOLS

Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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<u> 16-OTHER INFORMATION</u>

Relevant phrases

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- 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.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

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

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)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1A: Flammable gases – Category 1A

Aerosol 1: Aerosols – Category 1



CHAMALEON

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Press. Gas (Comp.): Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity - 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

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

 $Aquatic\ Chronic\ 2: Hazardous\ to\ the\ aquatic\ environment\ -\ long-term\ aquatic\ hazard\ -\ Category\ 2$

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

The information contained in these sheets is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects and should not be construed as any guarantee of technical performance or suitability for particular applications.