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THE PERFECT FINISH Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.02.2019

Version number 97

Revision: 18.01.2018

SECTION 1: Identification of the substance/mixture and of the company/undertaking · 1.1 Product identifier · Trade name: PLASTI-KOTE® BRILLIANT METALLIC SILVER 6UC 400 ML · Article number: 440.0000161.076 · 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available. · Sector of Use SU21 Consumer uses: Private households / general public / consumers SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen) • Product category PC9a Coatings and paints, thinners, paint removers · Process category PROC7 Industrial spraying PROC11 Non industrial spraying · Application of the substance / the mixture Paint \cdot 1.3 Details of the supplier of the safety data sheet · Manufacturer/Supplier: MOTIP DUPLI B.V. Wolfraamweg 2 NL-8471 XC Wolvega Nederland Tel: +31 (0)561 694400 Fax: +31 (0)561 694411 e-mail: info@nl.motipdupli.com · Further information obtainable from: Department Product Safety • 1.4 Emergency telephone number: +31 (0)561-694400 (09:00h - 17:00h) **SECTION 2: Hazards identification** · 2.1 Classification of the substance or mixture · Classification according to Regulation (EC) No 1272/2008 GHS02 flame H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated. Aerosol 1 GHS07 H319 Eye Irrit. 2 Causes serious eye irritation. STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness. Harmful to aquatic life with long lasting effects. Aquatic Chronic 3 H412 · 2.2 Label elements · Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation. (Contd. on page 2) GB Page 2/10

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	(Contd. of page
Hazard p	ictograms
	∧
, Mr	
GHS02	GHS07
011502	01307
Signal w	ord Danger
Hazard-a	letermining components of labelling:
	rbons, C9, aromatics
xylene	
acetone	
Hazard s	tatements
H222-H2	29 Extremely flammable aerosol. Pressurised container: May burst if heated.
H319	Causes serious eye irritation.
Н335-Н3	36 May cause respiratory irritation. May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.
Precauti	onary statements
P101	<i>If medical advice is needed, have product container or label at hand.</i>
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+P4	412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents / container in accordance with regional regulations.
Addition	al information:
EUH066	Repeated exposure may cause skin dryness or cracking.
2.3 Other	r hazards
Results o	f PBT and vPvB assessment

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

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SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

• Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21	propane Flam. Gas 1, H220 Press. Gas (Comp.), H280	20-<25%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32	butane 🚸 Flam. Gas 1, H220	12.5-<20%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27	isobutane 🚸 Flam. Gas 1, H220	12.5-<20%
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		(Contd. of page 2)
EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Hydrocarbons, C9, aromatics Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H335-H336	_ 10-<12.5%
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32-xxxx	xylene 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 Aquatic Chronic 3, H412	_ 5-<10%
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49	acetone Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	5-<10%
CAS: 100-41-4 EINECS: 202-849-4 Index number: 601-023-00-4 Reg.nr.: 01-2119489370-35	ethylbenzene Flam. Liq. 2, H225 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H332 Aquatic Chronic 3, H412	_ 2.5-<5%

· Additional information:

Note C (Regulation (EC) no. 1272/2008) applies to the component Xylene (mixture) CAS: 1330-20-7. For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- · After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.
- 4.2 Most important symptoms and effects, both acute and delayed 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.
- \cdot 5.2 Special hazards arising from the substance or mixture
- During heating or in case of fire poisonous gases are produced.
- · 5.3 Advice for firefighters -
- $\cdot \textit{Protective equipment: Mouth respiratory protective device.}$

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Mount respiratory protective device.
 Wear protective equipment. Keep unprotected persons away.
- 6.2 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.

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- 6.3 Methods and material for containment and cleaning up: Dispose contaminated material as waste according to item 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 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.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°*C*, *i.e. electric lights. Do not pierce or burn, even after use.*

- · 7.2 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
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

• Additional information about design of technical facilities: No further data; see item 7.

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

106-97-8 butane

WEL Short-term value: 1810 mg/m³, 750 ppm Long-term value: 1450 mg/m³, 600 ppm Carc (if more than 0.1% of buta-1.3-diene)

1330-20-7 xylene

WEL Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm Sk; BMGV

67-64-1 acetone

WEL Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm

100-41-4 ethylbenzene

WEL Short-term value: 552 mg/m³, 125 ppm Long-term value: 441 mg/m³, 100 ppm Sk

· Ingredients with biological limit values:

1330-20-7 xylene

BMGV 650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid

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(Contd. of page 4) • Additional information: The lists valid during the making were used as basis. · 8.2 Exposure controls · 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. · Protection of hands: Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. 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 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. · 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 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. · Eye protection: Tightly sealed goggles

9.1 Information on basic physical and General Information	nd chemical properties	
Appearance:		
Form:	Aerosol	
Colour:	Silver-coloured	
Odour:	Solvent-like	
Odour threshold:	Not determined.	
pH-value:	Not determined.	
Change in condition		
Melting point/freezing point:	Undetermined.	
Initial boiling point and boiling ra	nge: Not applicable, as aerosol.	
Flash point:	<0 °C (<32 °F)	
-	Not applicable, as aerosol.	

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· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	365 °C (689 °F)
· Decomposition temperature:	Not determined.
· Explosive properties:	Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
· Explosion limits:	
Lower:	0.7 Vol %
Upper:	10.9 Vol %
· Vapour pressure at 20 °C (68 °F):	3,500 hPa (2,625.2 mm Hg)
• Density at 20 •C (68 •F):	0.68 g/cm ³ (5.67 lbs/gal)
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	85.6 %
· EU-VOC:	583.8 g/l
• EU-VOC in %:	85.60 %
\cdot VOC (EC)	
	583.8 g/l
· VOC-EU%	85.60 %
· Solids content:	14.9 %
• 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

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- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

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 relevant for classification:

1330-20-7 xylene

Oral		3,523 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	29,000 mg/m3 (rat)

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		(Contd. of page
67-64-1 ac		
Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	>15,800 mg/kg (rabbit)
		76 mg/l (rat)
100-41-4 е	thylbenzen	
Oral	LD50	3,500 mg/kg (rat)
Skin corro Serious ey Causes ser Respirator CMR effec Germ cell Carcinoge Reproduct STOT-sing May cause STOT-rep	e damage/in ious eye irr, y or skin se ets (carcinos mutagenicia nicity Basec ive toxicity gle exposure respiratory eated expos	ion Based on available data, the classification criteria are not met. rritation itation. msitisation Based on available data, the classification criteria are not met. genity, mutagenicity and toxicity for reproduction) ty Based on available data, the classification criteria are not met. d on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.
SECTIO 12.1 Toxic		ological information
Aquatic to	xicity:	
1330-20-7	xylene	
EC50/48	h 7.4 mg/l	(daphnia magna)
LC50/96	h 13.5 mg/	l (fish)
67-64-1 ac	etone	
LC50/96h	8,300 mg	z/l (fish)
EC50/96h	7,200 mg	g/l (algae)
IC50/48	~	g/l (crustacean (water flea))
LC307 40		
12.2 Persis 12.3 Bioac 12.4 Mobil Ecotoxical Remark: H	c umulative lity in soil N l effects: larmful to fi	degradability No further relevant information available. potential No further relevant information available. No further relevant information available. ish information:
12.2 Persis 12.3 Bioac 12.4 Mobil Ecotoxical Remark: F Additional General no	cumulative lity in soil N l effects: larmful to fi l ecological otes:	potential No further relevant information available. No further relevant information available. Tsh information:
12.2 Persis 12.3 Bioac 12.4 Mobi Ecotoxical Remark: H Additional General na Water haze	c umulative lity in soil N l effects: larmful to fi l ecological otes: ard class 2 (potential No further relevant information available. No further relevant information available. Tsh information: (German Regulation) (Self-assessment): hazardous for water
12.2 Persis 12.3 Bioac 12.4 Mobil Ecotoxical Remark: H Additional General no Water haz Do not allo	ccumulative lity in soil N effects: darmful to fi ecological otes: ard class 2 (ow product a	potential No further relevant information available. No further relevant information available. Tish information: (German Regulation) (Self-assessment): hazardous for water to reach ground water, water course or sewage system.
12.2 Persis 12.3 Bioac 12.4 Mobil Ecotoxical Remark: H Additional General na Water haza Do not allo Danger to	ccumulative lity in soil N effects: darmful to fi ecological otes: ard class 2 (ow product a	potential No further relevant information available. No further relevant information available. Tish information: (German Regulation) (Self-assessment): hazardous for water to reach ground water, water course or sewage system. ater if even small quantities leak into the ground.
12.2 Persis 12.3 Bioac 12.4 Mobil Ecotoxical Remark: H Additional General na Water haza Do not allo Danger to Harmful to 12.5 Resul	cumulative lity in soil N effects: l'armful to fi ecological otes: ard class 2 (ow product i drinking wa aquatic org ts of PBT a	potential No further relevant information available. No further relevant information available. Tish information: (German Regulation) (Self-assessment): hazardous for water to reach ground water, water course or sewage system. ater if even small quantities leak into the ground.
12.2 Persis 12.3 Bioac 12.4 Mobil Ecotoxical Remark: F Additional General no Water haze Do not allo Danger to Harmful to 12.5 Resul PBT: Not	cumulative lity in soil N effects: larmful to fi ecological otes: ard class 2 (ow product i drinking wa aquatic org ts of PBT a applicable.	potential No further relevant information available. No further relevant information available. Tish information: (German Regulation) (Self-assessment): hazardous for water to reach ground water, water course or sewage system. ater if even small quantities leak into the ground. ganisms and vPvB assessment
12.2 Persis 12.3 Bioac 12.4 Mobil Ecotoxical Remark: F Additional General no Water haze Do not allo Danger to Harmful to 12.5 Resul PBT: Not vPvB: Not	cumulative lity in soil N effects: larmful to fi ecological otes: ard class 2 (ow product i drinking wa aquatic org ts of PBT a applicable. applicable.	potential No further relevant information available. No further relevant information available. Tish information: (German Regulation) (Self-assessment): hazardous for water to reach ground water, water course or sewage system. ater if even small quantities leak into the ground. ganisms and vPvB assessment
12.2 Persis 12.3 Bioac 12.4 Mobil Ecotoxical Remark: F Additional General no Water haze Do not allo Danger to Harmful to 12.5 Resul PBT: Not vPvB: Not	cumulative lity in soil N effects: larmful to fi ecological otes: ard class 2 (ow product i drinking wa aquatic org ts of PBT a applicable. applicable.	potential No further relevant information available. No further relevant information available. Tish information: (German Regulation) (Self-assessment): hazardous for water to reach ground water, water course or sewage system. ater if even small quantities leak into the ground. ganisms and vPvB assessment
12.2 Persis 12.3 Bioac 12.4 Mobi Ecotoxical Remark: F Additional General no Water haza Do not allo Danger to Harmful to 12.5 Resul PBT: Not 12.6 Other	cumulative lity in soil N effects: darmful to fi ecological otes: ard class 2 (ow product a drinking wa aquatic org ts of PBT a applicable. applicable.	potential No further relevant information available. No further relevant information available. Tish information: (German Regulation) (Self-assessment): hazardous for water to reach ground water, water course or sewage system. ater if even small quantities leak into the ground. ganisms and vPvB assessment

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· European waste catalogue

08 01 11* waste paint and varnish containing organic solvents or other hazardous substances 15 01 04 metallic packaging

· Uncleaned packaging:

· Recommendation:

Disposal must be made according to official regulations.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

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

· 14.1 UN-Number · ADR, IMDG, IATA	UN1950
· 14.2 UN proper shipping name · ADR · IMDG · IATA	1950 AEROSOLS AEROSOLS AEROSOLS, flammable
· 14.3 Transport hazard class(es)	
ADR	
· Class	2 5F Gases.
· Label	2.1
· Class	2.1
· Label	2.1
· 14.4 Packing group · ADR, IMDG, IATA	not regulated
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Code	Warning: Gases. - F-D,S-U 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.

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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.
14.7 Transport in bulk according to An	nex II of
Marpol and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
	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
	Code: E0
	Not permitted as Excepted Quantity
UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

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.
- · Seveso category P3a FLAMMABLE AEROSOLS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- \cdot 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:

- · Other regulations, limitations and prohibitive regulations
- · Substances of very high concern (SVHC) according to REACH, Article 57
- None of the ingredients is listed.
- · 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.

· 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.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.

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H315 Causes skin irritation.
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 the gastro-intestinal tract through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
· 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 ADB: Assend support of the second support of the later region of the second support of the later region of the
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
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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Gas 1: Flammable gases – Category I
Aerosol 1: Aerosols – Category 1
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 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
• * Data compared to the previous version altered.
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