Safety data sheet cording to 1907/2006/EC, Article 3

according to 1907/2006/EC, Article 31 Printing date 27.09.2017 Version number 2 Revision: 27.09.2017 SECTION 1: Identification of the substance/mixture and of the company/undertaking · 1.1 Product identifier · Trade name: CLEAR VARNISH SPRAY - 400 ML · 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 Spray varnish · 1.3 Details of the supplier of the safety data sheet · Manufacturer/Supplier: Duthoo nv/sa Esserstraat 3 8550 ZWEVEGEM Belgium T +32 56 360 774 F +32 56 360 776 E info@duthoo.eu Wwww.duthoo.eu · Further information obtainable from: Department Product Safety · 1.4 Emergency telephone number: +32 56 360 774 (during office hours) UK: NPIS National Poisons Information Centre Tel: +44 0344 892 0111 IRL: Beaumont Hospital - National Poisons Information Centre: Tel: +353 1 8092566 **SECTION 2: Hazards identification** · 2.1 Classification of the substance or mixture · Classification according to Regulation (EC) No 1272/2008 GHS02 flame

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

 Image: Content of the system of the sy

(Contd. on page 2)

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Page 2/11

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

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Version number 2

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Trade name: CLEAR VARNISH SPRAY - 400 ML

Hazard pictograms View of Danger Signal word Danger Hazard-determining components of labelling: acetone n-butyl acetate orbit of the state ethyl acetate butan-1-ol Hazard statements H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. Precautionary statements P102 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 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 D on to burn, even after use. P260 Do not breathe spray. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. P51 Dispose of contents / container in accordance with regional regulations. Additional information: EUH205 Contains phylalic anhydride. May produce an allergic reaction. EUH208 Contains phylalic anhydride. May produce an allergic reaction. 2.3 Other hazards Results of PBT and vPVB assessment Seesement		HS07
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Results of PBT and vPvB assessment		
	Results of PE	T and vPvB assessment

• **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

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

CAS: 115-10-6	dimethyl ether	20-<25%
EINECS: 204-065-8	♦ Flam. Gas 1, H220	
Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37	Press. Gas C, H280	
CAS: 67-64-1	acetone	20-<25%
EINECS: 200-662-2	🚯 Flam. Liq. 2, H225	
Index number: 606-001-00-8	() Eye Irrit. 2, H319; STOT SE 3, H336	
Reg.nr.: 01-2119471330-49		
CAS: 1330-20-7	xylene	5-<10%
EINECS: 215-535-7	🚯 Flam. Liq. 3, H226	
Index number: 601-022-00-9	🚯 STOT RÊ 2, H373; Asp. Tox. 1, H304	
Reg.nr.: 01-2119488216-32-xxx.	x 🔥 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2,	
	H315; Eye Irrit. 2, H319; STOT SE 3, H335	
		(Contd. on page 2

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

Printing date 27.09.2017

Version number 2

Revision: 27.09.2017

Trade name: CLEAR VARNISH SPRAY - 400 ML

		ntd. of page
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 C, H280	5-<10%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32	butane Flam. Gas 1, H220 Press. Gas C, H280	5-<10%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27	isobutane Flam. Gas 1, H220 Press. Gas C, H280	2.5-<5
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29	n-butyl acetate Flam. Liq. 3, H226 STOT SE 3, H336	2.5-<5
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226	2.5-<5
CAS: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5 Reg.nr.: 01-2119475103-46	ethyl acetate Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	2.5-<5
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%
CAS: 2530-83-8 EINECS: 219-784-2 Reg.nr.: 01-2119513212-58-xxxx	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	<2.5%
CAS: 71-36-3 EINECS: 200-751-6 Index number: 603-004-00-6 Reg.nr.: 01-2119484630-38	butan-1-ol Flam. Liq. 3, H226 Eye Dam. 1, H318 Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335- H336	<2.5%
CAS: 85-44-9 EINECS: 201-607-5 Index number: 607-009-00-4 Reg.nr.: 01-2119457017-41	 phthalic anhydride Resp. Sens. 1, H334 Eye Dam. 1, H318 Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335 	≤ 0.5%

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.

(Contd. on page 4)

GB

Page 4/11

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

Printing date 27.09.2017

Version number 2

Revision: 27.09.2017

Trade name: CLEAR VARNISH SPRAY - 400 ML

• **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 -
- · Protective equipment: Mouth respiratory protective device.

SECTION 6: Accidental release measures

 • 6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation Keep away from ignition sources. Mount respiratory protective device.
 Wear protective equipment. Keep unprotected persons away.

- · 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 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.
- 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.

(Contd. on page 5)

(Contd. of page 3)

Page 5/11

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

Printing date 27.09.2017

Version number 2

Revision: 27.09.2017

Trade name: CLEAR VARNISH SPRAY - 400 ML

810	(Contd. of page
	ontrol parameters dients with limit values that require monitoring at the workplace:
-	0-6 dimethyl ether
	Short-term value: 958 mg/m ³ , 500 ppm
WLL	Long-term value: 766 mg/m ³ , 400 ppm
67-64	I-1 acetone
WEL	Short-term value: 3620 mg/m ³ , 1500 ppm
	Long-term value: 1210 mg/m^3 , 500 ppm
1330-	20-7 xylene
WEL	Short-term value: 441 mg/m ³ , 100 ppm
	Long-term value: 220 mg/m ³ , 50 ppm
107.0	Sk; BMGV
	77-8 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)
123-8	86-4 n-butyl acetate
	Short-term value: 966 mg/m ³ , 200 ppm
	Long-term value: 724 mg/m ³ , 150 ppm
108-6	55-6 2-methoxy-1-methylethyl acetate
WEL	Short-term value: 548 mg/m ³ , 100 ppm
	Long-term value: 274 mg/m ³ , 50 ppm
	Sk
	78-6 ethyl acetate
WEL	Short-term value: 400 ppm
100 /	Long-term value: 200 ppm
	1-4 ethylbenzene Short-term value: 552 mg/m ³ , 125 ppm
WEL	Long-term value: 441 mg/m ³ , 100 ppm
	Sk
71-36	5-3 butan-1-ol
WEL	Short-term value: 154 mg/m³, 50 ppm Sk
Inone	dients with biological limit values:
-	20-7 xylene
	V 650 mmol/mol creatinine
DIVIO	Medium: urine
	Sampling time: post shift
	Parameter: methyl hippuric acid
· Addit	ional information: The lists valid during the making were used as basis.
· 8.2 E	xposure controls
	nal protective equipment:
	ral protective and hygienic measures:
	away from foodstuffs, beverages and feed. diately remove all soiled and contaminated clothing
	hands before breaks and at the end of work.
Do no	ot inhale gases / fumes / aerosols.
	l contact with the eyes and skin.
	l contact with the eyes.
	r atory protection: se of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposu.
	e of one exposure of low pollution use respiratory filler device. In case of intensive of longer exposu- elf-contained respiratory protective device.
	(Contd. on page

Page 6/11

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

Printing date 27.09.2017

Version number 2

Revision: 27.09.2017

Trade name: CLEAR VARNISH SPRAY - 400 ML

· Protection of hands:

(Contd. of page 5)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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 c. General Information	hemical properties
Appearance:	
Form:	Aerosol
Colour:	Different according to colouring
Odour:	Solvent-like
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range	: Not applicable, as aerosol.
Flash point:	<0°C (<32 °F)
-	Not applicable, as aerosol.
Flammability (solid, gas):	Not applicable.
Ignition temperature:	240°C (464 °F)
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
Explosion limits:	
Lower:	2.6Vol %
Upper:	26.2Vol %
Vapour pressure at 20°C (68 °F):	4,000hPa (3 mm Hg)
<i>Density at 20</i> • <i>C</i> (68 • <i>F</i>):	0.76g/cm ³ (6.34 lbs/gal)

GB

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

Printing date 27.09.2017

Version number 2

Revision: 27.09.2017

Trade name: CLEAR VARNISH SPRAY - 400 ML

		(Contd. of page 6
· 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:	78.0%	
VOC(EC)		
	628.7 g/l	
· VOC-EU%	83.00 %	
· Solids content:	15.6%	
· 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 according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- \cdot 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.

67-64-1 ac	etone	
Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	>15,800 mg/kg (rabbit)
Inhalative	LC50 / 4h	76 mg/l (rat)
1330-20-7	xylene	
Oral	LD50	3,523 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	22.1 mg/m3 (rat)
123-86-4 n-butyl acetate		
Oral	LD50	10,800 mg/kg (rat)
Dermal	LD50	>17,600 mg/kg (rabbit)
Inhalative	LC50 / 4h	1.85 mg/l (rat)
108-65-6 2-methoxy-1-methylethyl acetate		
Oral	LD50	8,530 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)

· Skin corrosion/irritation Based on available data, the classification criteria are not met.

(Contd. on page 8)

GB

Page 8/11

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

Printing date 27.09.2017

Version number 2

Revision: 27.09.2017

(Contd. of page 7)

Trade name: CLEAR VARNISH SPRAY - 400 ML

- · Serious eye damage/irritation
- Causes serious eye irritation.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- 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
- May cause drowsiness or dizziness.
- · 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.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

67-64-1 acetone

- *LC50/96h* 8,300 mg/l (fish)
- EC50/96h 7,200 mg/l (algae)

LC50 / 48 h 8,450 mg/l (crustacean (water flea))

1330-20-7 xylene

EC50 / 48 h 7.4 mg/l (daphnia magna)

LC50 / 96 h 13.5 mg/l (fish)

123-86-4 n-butyl acetate

LC50 / 96 h 81 mg/l (fish)

- · 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- 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. Danger to drinking water if even small quantities leak into the ground.

- · 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

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.

- · 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: Non contaminated packagings may be recycled.

(Contd. on page 9)

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

Printing date 27.09.2017

Version number 2

Revision: 27.09.2017

Trade name: CLEAR VARNISH SPRAY - 400 ML

(Contd. of page 8)

14.1 UN-Number	
ADR, IMDG, IATA	UN1950
14.2 UN proper shipping name	
ADR	1950 AEROSOLS
IMDG	AEROSOLS
IATA	AEROSOLS, flammable
14.3 Transport hazard class(es)	
ADR	
2	
Class	2 5F Gases.
Label	2.1
IMDG, IATA	
2	
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	Warning: Gases.
Danger code (Kemler):	-
EMS Number: Stowage Code	F-D,S-U SW1 Protected from sources of heat.
Slowage Coae	SW11 Folected from sources of near. SW22 For AEROSOLS with a maximum capacity of 1 litre
	Category A. For AEROSOLS with a maximum capacity of 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.
14.7 Transport in bulk according to Anne Marpol and the IBC Code	x II of Not applicable.
Transport/Additional information:	· · · · · · · · · · · · · · · · · · ·
ADR	
ADR Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0
· · · · · · · · · · · · · · · · · · ·	Not permitted as Excepted Quantity
Transport category	2
Tunnel restriction code	<i>D</i>
	17
Limited quantities (LQ) Excented quantities (EQ)	1L Code: E0
Excepted quantities (EQ)	<i>Not permitted as Excepted Quantity</i>

Page 10/11

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

Printing date 27.09.2017

Version number 2

Revision: 27.09.2017

Trade name: CLEAR VARNISH SPRAY - 400 ML

(Contd. of page 9)

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
- \cdot Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 48
- 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. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

· Abbreviations and acronyms:

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
- vPvB: very Persistent and very Bioaccumulative
- Flam. Gas 1: Flammable gases Category 1
- Aerosol 1: Aerosols Category 1
- Press. Gas C: 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

(Contd. on page 11)

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

Printing date 27.09.2017

Version number 2

Revision: 27.09.2017

Trade name: CLEAR VARNISH SPRAY - 400 ML

	(Contd. of page 10)
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2	
Resp. Sens. 1: Respiratory sensitisation – Category 1	
Skin Sens. 1: Skin sensitisation – Category 1	
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 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3	

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