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R36:

. *R12*: Irritating to eyes.

Extremely flammable.

F+; Extremely flammable

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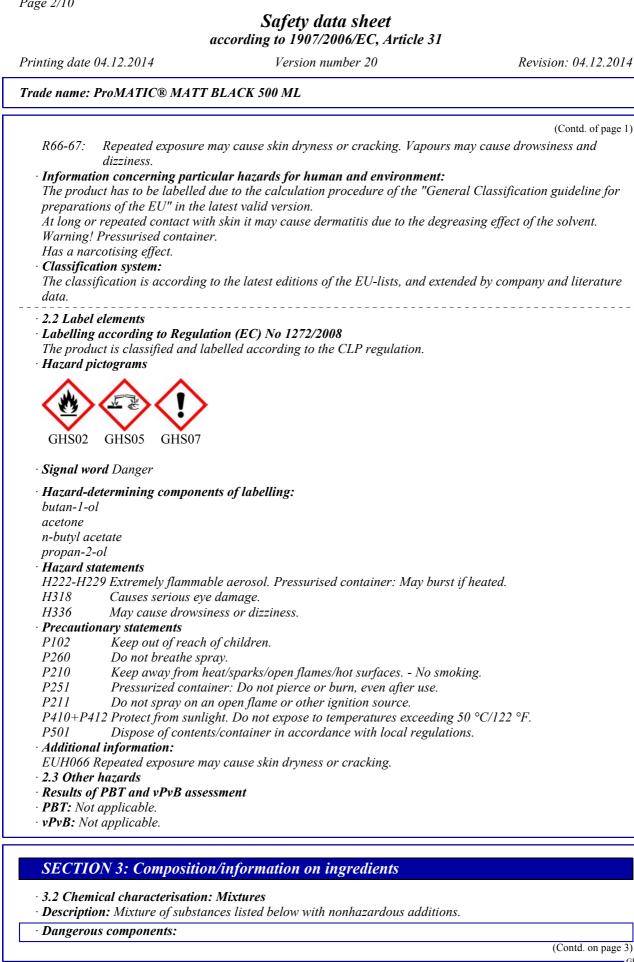
Version number 20

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SECTION 1: Identification of the substance/mixture and of the company/undertaking
· 1.1 Product identifier · Trade name: <u>ProMATIC® MATT BLACK AEROS</u> OL 500 ML
 Article number: MB500 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available. Application of the substance / the mixture Paint Spray varnish
 1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: ProMATIC Second Avenue Chatham Kent ME4 5AU Tel: +44 (0)1634 823900 Fax: +44 (0)1634 823909 Email: info@capellasolutionsgroup.com
 Further information obtainable from: QHSE Department 1.4 Emergency telephone number: Tel: +44(0) 1634 823900 (08.00 / 17.00) +31 629058130 (24 h/d, 7 d/wk)
SECTION 2: Hazards identification
SECTION 2: Hazards identification • 2.1 Classification of the substance or mixture • Classification according to Regulation (EC) No 1272/2008 GHS02 flame
• 2.1 Classification of the substance or mixture • Classification according to Regulation (EC) No 1272/2008
 2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 GHS02 flame Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
 2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 GHS02 flame Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated. GHS05 corrosion Eye Dam. 1 H318 Causes serious eye damage.

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Trade name: ProMATIC® MATT BLACK 500 ML

CAS: 67-64-1	acetone	(Contd. of page 25-50
EINECS: 200-662-2	🗙 Xi R36	
Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49-xxxx	F R11 R66-67	
0	 Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336 	
CAS: 115-10-6 EINECS: 204-065-8	dimethyl ether $F + R12$	12.5-20
Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37-xxxx	📀 Flam. Gas 1, H220; Flam. Liq. 1, H224 Press. Gas C, H280	
CAS: 123-86-4	n-butyl acetate	12.5-20
EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29-xxxx	R10-66-67 Flam. Liq. 3, H226 STOT SE 3, H336	
CAS: 74-98-6	propane	5-10%
EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21-xxxx	F+ R12 Flam. Gas 1, H220 Press. Gas C, H280	
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7	2-methoxy-1-methylethyl acetate R10 I Flam. Liq. 3, H226	5-109
Reg.nr.: 01-2119475791-29-xxxx	V I ium. Eiq. 5, 11220	
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0	butane ▶ F+ R12 ◆ Flam. Gas 1, H220	5-10%
Reg.nr.: 01-2119474691-32-xxxx	Press. Gas C, H280	
CAS: 75-28-5 EINECS: 200-857-2	isobutane $F + R12$	5-10%
Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27-xxxx	Flam. Gas 1, H220 Press. Gas C, H280	
CAS: 9004-70-0	<i>Nitrocellulose (nitrogen content $< 12.6\%$)</i> \blacktriangle <i>F R11</i>	2.5-59
	🐼 Flam. Sol. 1, H228	
CAS: 71-36-3 EINECS: 200-751-6 Index number: 603-004-00-6	butan-1-ol Xn R22 Xi R37/38-41	1-2.59
Reg.nr.: 01-2119484630-38-xxxx	R10-67 Flam. Liq. 3, H226 Eye Dam. 1, H318	
	Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol 🗙 Xi R36	1-2.59
Index number: 603-117-00-0 Reg.nr.: 01-2119457558-25-xxxx	F R11	
	♦ Flam. Liq. 2, H225 ♦ Eye Irrit. 2, H319; STOT SE 3, H336	

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.

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· 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.

· For safety reasons unsuitable extinguishing agents: Water with full jet

• 5.2 Special hazards arising from the substance or mixture No further relevant information available.

- 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation

Keep away from ignition sources.

• 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.

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

• 6.3 Methods and material for containment and cleaning up: 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.

Protect against electrostatic charges.

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:

Store in a cool location.

Observe official regulations on storing packagings with pressurised containers.

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

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

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

SECTION 8: Exposure controls/personal protection

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

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8.1 C	ontrol parameters	(Contd. of page
Ingre	dients with limit values that require monitoring at the workplace:	
67-64	-1 acetone	
WEL	Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm	
115-1	0-6 dimethyl ether	
WEL	Short-term value: 958 mg/m³, 500 ppm Long-term value: 766 mg/m³, 400 ppm	
123-8	6-4 <i>n-butyl acetate</i>	
	Short-term value: 966 mg/m³, 200 ppm Long-term value: 724 mg/m³, 150 ppm	
108-6	5-6 2-methoxy-1-methylethyl acetate	
	Short-term value: 548 mg/m³, 100 ppm Long-term value: 274 mg/m³, 50 ppm Sk	
106-9	7-8 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)	
71-36	-3 butan-1-ol	
WEL	Short-term value: 154 mg/m³, 50 ppm Sk	
67-63	2-0 propan-2-ol	
WEL	Short-term value: 1250 mg/m³, 500 ppm Long-term value: 999 mg/m³, 400 ppm	
Addit	ional information: The lists valid during the making were used as basis.	
Perso Gene Keep Imme Wash Do no Avoid Avoid Respi Prote Mateu Penel	xposure controls mal 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. be inhale gases / fumes / aerosols. contact with the eyes. contact with the eyes and skin. fratory protection: Not required. ction of hands: Not required. ction of hands: Not required. tration time of glove material Not required. rotection: Tightly sealed goggles	
	TION 9: Physical and chemical properties	

- · General Information · Appearance: Form:

Aerosol

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Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Not applicable, as aerosol.
Flash point:	< 0 °C (< 32 °F)
	Not applicable, as aerosol.
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	240 °C (464 °F)
• Decomposition temperature:	Not determined.
Self-igniting:	Product is not selfigniting.
· Danger of explosion:	<i>Product is not explosive. However, formation of explosive air/</i>
	vapour mixtures are possible.
Explosion limits:	
Lower:	1.2 Vol %
Upper:	26.2 Vol %
Vapour pressure at 20 °C (68 °F):	4000 hPa (3000 mm Hg)
Density at 20 °C (68 °F):	0.741 g/cm ³ (6.184 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/wate	r): Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	89.3 %
EU-VOC:	661.3 g/l
EU-VOC in %:	89.25 %
· Solids content:	8.5 %
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity

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.

• 10.5 Incompatible materials: No further relevant information available.

• 10.6 Hazardous decomposition products: No dangerous decomposition products known.

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Acute toxi	city:	oxicological effects
		ant for classification:
67-64-1 ac	etone	
Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	20000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	39 mg/m3 (rat)
115-10-6 a	limethyl eth	er
Inhalative	LC50 / 4 h	308 mg/m3 (rat)
123-86-4 n	i-butyl acete	ate
Oral	LD50	10770 mg/kg (rat)
Dermal	LD50	>17600 mg/kg (rabbit)
Inhalative	LC50 / 4 h	>21.0 mg/m3 (rat)
108-65-62	2-methoxy-1	-methylethyl acetate
Oral	LD50	8532 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	35.7 mg/m3 (rat)
106-97-8 b	butane	
Inhalative	LC50 / 4 h	658000 mg/m3 (rat)
71-36-3 bi	ıtan-1-ol	
Oral	LD50	2292 mg/kg (rat)
Dermal	LD50	3430 mg/kg (rabbit)
Inhalative	LC50 / 4 h	17.76 mg/m3 (rat)
67-63-0 pr	opan-2-ol	
Oral	LD50	5045 mg/kg (rat)
Dermal	LD50	12800 mg/kg (rabbit)
Inhalative	LC50 / 4 h	30 mg/m3 (rat)
	ritant effect	
	n: No irritan	
	: Irritating e	zffect. itising effects known.

Irritant

SECTION 12: Ecological information

· 12.1 Toxicity

67-64-1 acetone		
EC50 / 48 h	8800 mg/l (daphnia magna)	
LC50 / 48 h	2262 mg/l (daphnia magna)	
LC50 / 96 h (static)	5540 mg/l (fish)	
115-10-6 dimethyl et	her	
EC50 / 48 h	>4000 mg/l (daphnia magna)	
	·	(Contd. on page

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123-86-4 n-butyl aceta	te
EC50 / 48 h	44 mg/l (daphnia magna)
EC50 / 96 h	320 mg/l (algae)
LC50 / 24 h	205 mg/l (daphnia magna)
LC50 / 96 h	18 mg/l (Pimephales promelas)
108-65-6 2-methoxy-1-	methylethyl acetate
EC50	408 mg/l (daphnia magna)
71-36-3 butan-1-ol	
EC50 / 48 h	1328 mg/l (daphnia magna)
EC50 / 72 h	8500 mg/l (algae)
LC50 / 96 h	1376 mg/l (Pimephales promelas)
67-63-0 propan-2-ol	
EC50 / 48 h	13299 mg/l (daphnia magna)
LC50 / 96 h (dynamic)	4200 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 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- · 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 dangerous substances

15 01 04 metallic packaging

· Uncleaned packaging:

• *Recommendation:* Non contaminated packagings may be recycled.

SECTION 14: Transport information

· 14.1 UN-Number · ADR, IMDG, IATA	UN1950	
· 14.2 UN proper shipping name		
ADR	1950 AEROSOLS	
·IMDG	AEROSOLS	
· IATA	AEROSOLS, flammable	
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14.3 Transport hazard class(es)	
ADR	
Class	2 5F Gases.
Label	2.1
IMDG, IATA	
	2.1
Class Label	2.1 2.1
	2.1
14.4 Packing group ADR, IMDG, IATA	Void
	Voiu
14.5 Environmental hazards:	Na
Marine pollutant:	No
14.6 Special precautions for user	Warning: Gases.
Danger code (Kemler): EMS Number:	- F-D,S-U
14.7 Transport in bulk according to Anne MARPOL73/78 and the IBC Code	
	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	
Excepted quantities (EQ)	Code: E0
Transport category	<i>Not permitted as Excepted Quantity 2</i>
Tunnel restriction code	D
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0
1 ··· 1··· ····· (-z)	Not permitted as Excepted Quantity
UN "Model Regulation":	UN1950, AEROSOLS, 2.1

SECTION 15: Regulatory information

• 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

• 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.

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	Extremely flammable liquid and vapour.	
	Highly flammable liquid and vapour.	
H226	Flammable liquid and vapour.	
H228	Flammable solid.	
H280	Contains gas under pressure; may explode if heated.	
	Harmful if swallowed.	
	Causes skin irritation.	
	Causes serious eye damage.	
	Causes serious eye irritation.	
	May cause respiratory irritation.	
	May cause drowsiness or dizziness.	
	muy cause arowsmess or utzziness.	
R10	Flammable.	
R11	Highly flammable.	
R12	Extremely flammable.	
R22	Harmful if swallowed.	
R36	Irritating to eyes.	
	88 Irritating to respiratory system and skin.	
R41	Risk of serious damage to eyes.	
R66	Repeated exposure may cause skin dryness or cracking.	
R67	Vapours may cause drowsiness and dizziness.	
<i>K07</i>	v upour's may cause arowsiness and aizziness.	
Internal ICAO: A ADR: A Carriag IMDG: I GHS: G EINEC: CAS: C LC50: 1 LD50: I Flam. C Flam. A Press. C	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the titonal Transport of Dangerous Goods by Rail) International Civil Aviation Organisation Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International ge of Dangerous Goods by Road) : International Maritime Code for Dangerous Goods International Air Transport Association Globally Harmonised System of Classification and Labelling of Chemicals S: European Inventory of Existing Commercial Chemical Substances S: European List of Notified Chemical Substances Chemical Abstracts Service (division of the American Chemical Society) Lethal concentration, 50 percent Lethal dose, 50 percent Gas 1: Flammable gases, Hazard Category 1 Aerosol 1: Flammable aerosols, Hazard Category 1 Gas C: Gases under pressure: Compressed gas	
Flam. L Flam. L Flam. S Acute T Skin Irr Eye Dat	Liq. 1: Flammable liquids, Hazard Category 1 Liq. 2: Flammable liquids, Hazard Category 2 Liq. 3: Flammable liquids, Hazard Category 3 Sol. 1: Flammable solids, Hazard Category 1 Tox. 4: Acute toxicity, Hazard Category 4 rit. 2: Skin corrosion/irritation, Hazard Category 2 m. 1: Serious eye damage/eye irritation, Hazard Category 1 rit. 2: Serious eye damage/eye irritation, Hazard Category 2	