

Page 1/10

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.12.2014

Version number 48

Revision: 26.11.2014

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

- · 1.1 Product identifier
- Trade name: <u>ProMATIC® GUIDECOAT BLACK 500 ML</u>
- Article number: GC500
- 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 Preparation
- 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 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.	
$\langle \rangle$	GHS07		
STOT SE	3 H336	May cause drowsiness or dizziness.	
	t ion according to . Irritant	Directive 67/548/EEC or Directive 1999/45/EC	
R36:	Irritating to eyes.		
* F+;	Extremely flamma	ible	
R12:	Extremely flamm	able.	
R66-67:	Repeated exposut dizziness.	re may cause skin dryness or cracking. Vapours may cause drowsiness an	d
		(Contd. e	on page 2)

Page 2/10

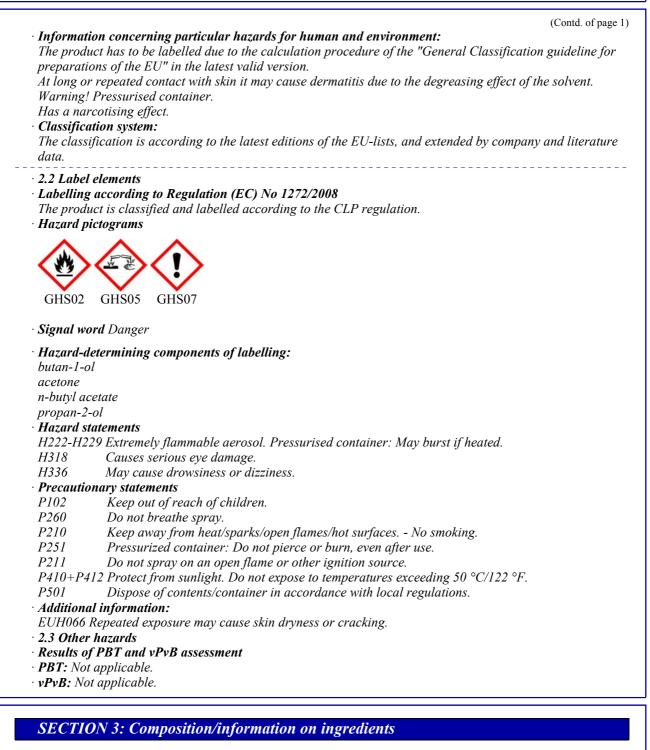
Safety data sheet according to 1907/2006/EC, Article 31

Printing date 04.12.2014

Version number 48

Revision: 26.11.2014

Trade name: ProMATIC® GUIDECOAT BLACK 500 ML



· 3.2 Chemical characterisation: Mixtures

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

· Dangerous components:

(Contd. on page 3)

Page 3/10

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

Printing date 04.12.2014

Version number 48

Revision: 26.11.2014

Trade name: ProMATIC® GUIDECOAT BLACK 500 ML

CAS: 67-64-1	acetone	(Contd. of pa 25-50
EINECS: 200-662-2	🗙 Xi R36	25 50
Index number: 606-001-00-8	F R11	
Reg.nr.: 01-2119471330-49-xxxx		
Reg.m. 01-21194/1550-49-xxxx		
	 ♦ Flam. Liq. 2, H225 ♦ Eye Irrit. 2, H319; STOT SE 3, H336 	
CAS: 115-10-6	dimethyl ether	20-25
EINECS: 204-065-8	$\checkmark F + R12$	
Index number: 603-019-00-8	Flam. Gas 1, H220; Flam. Liq. 1, H224	
Reg.nr.: 01-2119472128-37-xxxx	Press. Gas C, H280	
CAS: 123-86-4	n-butyl acetate	12.5-2
EINECS: 204-658-1	R10-66-67	
Index number: 607-025-00-1	🚸 Flam. Liq. 3, H226	
Reg.nr.: 01-2119485493-29-xxxx		
CAS: 74-98-6	propane	5-10
EINECS: 200-827-9	b F+ R12	
Index number: 601-003-00-5	🐼 Flam. Gas 1, H220	
Reg.nr.: 01-2119486944-21-xxxx		
CAS: 108-65-6	2-methoxy-1-methylethyl acetate	5-10
EINECS: 203-603-9	R10	
Index number: 607-195-00-7	🚸 Flam. Liq. 3, H226	
Reg.nr.: 01-2119475791-29-xxxx		
CAS: 106-97-8	butane	5-10
EINECS: 203-448-7	▶ F+ R12	
Index number: 601-004-00-0	🚸 Flam. Gas 1, H220	
Reg.nr.: 01-2119474691-32-xxxx	Press. Gas C, H280	
CAS: 75-28-5	isobutane	5-10
EINECS: 200-857-2	\bullet F+ R12	
Index number: 601-004-00-0	🚸 Flam. Gas 1, H220	
Reg.nr.: 01-2119485395-27-xxxx		
CAS: 71-36-3	butan-1-ol	1-2.5
EINECS: 200-751-6	X n R22	
Index number: 603-004-00-6	Xi R37/38-41	
Reg.nr.: 01-2119484630-38-xxxx		
	Flam. Liq. 3, H226	
	\bigotimes Eye Dam. 1, H318	
	Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3,	
C15 0001 70 0	H335-H336	1.0.5
CAS: 9004-70-0	Nitrocellulose (nitrogen content <12.6%)	1-2.5
	F R11 Flam. Sol. 1, H228	
CAS: 67-63-0	propan-2-ol	1-2.5
EINECS: 200-661-7	propan-2-01 🗙 Xi R36	1-2.3
Index number: 603-117-00-0		
Reg.nr.: 01-2119457558-25-xxxx	<i>F R11</i> <i>R67</i>	
Neg.111. 01-211943/330-23-XXXX		
	 ♦ Flam. Liq. 2, H225 ♦ Eye Irrit. 2, H319; STOT SE 3, H336 	
	\bigvee Eye III. 2, IIJI, SIOI SE J, IIJJU	

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.

(Contd. on page 4)

⁻ GB

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

Printing date 04.12.2014

Version number 48

Revision: 26.11.2014

(Contd. of page 3)

Trade name: ProMATIC® GUIDECOAT BLACK 500 ML

· 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.

(Contd. on page 5)

⁻ GB

Page 5/10

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

Printing date 04.12.2014

Version number 48

Revision: 26.11.2014

Trade name: ProMATIC® GUIDECOAT BLACK 500 ML

9.1 Control - sugar store	(Contd. of page
8.1 Control parameters Ingredients with limit values that require monitoring at the workplace:	
67-64-1 acetone	
WEL Short-term value: 3620 mg/m ³ , 1500 ppm	
Long-term value: 1210 mg/m ³ , 500 ppm	
115-10-6 dimethyl ether	
WEL Short-term value: 958 mg/m ³ , 500 ppm	
Long-term value: 766 mg/m ³ , 400 ppm	
123-86-4 n-butyl acetate	
WEL Short-term value: 966 mg/m ³ , 200 ppm	
Long-term value: 724 mg/m ³ , 150 ppm	
108-65-6 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	
106-97-8 butane	
WEL Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 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/m ³ , 50 ppm	
Sk	
67-63-0 propan-2-ol	
WEL Short-term value: 1250 mg/m ³ , 500 ppm	
Long-term value: 999 mg/m ³ , 400 ppm	
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.	
Avoid contact with the eyes and skin.	
Respiratory protection: Not required.	
Protection of hands: Not required.	
Material of gloves Not required.	
Penetration time of glove material Not required.	
Eye protection:	
Tightly sealed goggles	
SECTION 9: Physical and chemical properties	
9.1 Information on basic physical and chemical properties	

- 9.1 Information on bate
 General Information
 Appearance:
 Form:

Aerosol

(Contd. on page 6) GB

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

Printing date 04.12.2014

Version number 48

Revision: 26.11.2014

Trade name: ProMATIC® GUIDECOAT BLACK 500 ML

	(Contd. of page 5)
Colour: • Odour: • Odour threshold:	According to product specification Characteristic Not determined.
· pH-value:	Not determined.
 Change in condition Melting point/Melting range: Boiling point/Boiling range: 	Undetermined. 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:	Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
• Explosion limits: Lower: Upper:	1.2 Vol % 26.2 Vol %
· Vapour pressure at 20 °C (68 °F):	4000 hPa (3000 mm Hg)
 Density at 20 °C (68 °F): Relative density Vapour density Evaporation rate 	0.76473 g/cm ³ (6.382 lbs/gal) Not determined. Not determined. Not applicable.
• Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/wate	r): Not determined.
· Viscosity: Dynamic: Kinematic:	Not determined. Not determined.
 Solvent content: Organic solvents: EU-VOC: EU-VOC in %: 	92.1 % 704.2 g/l 92.09 %
 Solids content: 9.2 Other information 	9.6 % 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.

(Contd. on page 7)

GB

Page 7/10

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

Printing date 04.12.2014

Version number 48

Revision: 26.11.2014

Trade name: ProMATIC® GUIDECOAT BLACK 500 ML

(Contd. of page 6)

	tone D50	
	D50	
Dermal L	.D30	5800 mg/kg (rat)
	LD50	20000 mg/kg (rabbit)
		39 mg/m3 (rat)
115-10-6 din	•	
Inhalative L	LC50 / 4 h	308 mg/m3 (rat)
123-86-4 n-l	butyl aceta	ite
Oral L	D50	10770 mg/kg (rat)
Dermal L	D50	>17600 mg/kg (rabbit)
Inhalative L	LC50 / 4 h	>21.0 mg/m3 (rat)
108-65-6 2-n	methoxy-1	-methylethyl acetate
Oral L	D50	8532 mg/kg (rat)
Dermal L	D50	>5000 mg/kg (rabbit)
Inhalative L	LC50 / 4 h	35.7 mg/m3 (rat)
106-97-8 bu	tane	
Inhalative L	LC50 / 4 h	658000 mg/m3 (rat)
71-36-3 buta	an-1-ol	
Oral L	LD50	2292 mg/kg (rat)
Dermal L	D50	3430 mg/kg (rabbit)
Inhalative L	C50 / 4 h	17.76 mg/m3 (rat)
67-63-0 prop	pan-2-ol	
Oral L	LD50	5045 mg/kg (rat)
Dermal L	D50	12800 mg/kg (rabbit)
Inhalative L	C50 / 4 h	30 mg/m3 (rat)
Primary irri		
• on the skin: No irritant effect. • on the eye: Irritating effect.		

Irritant

SECTION 12: Ecological information

· 12.1 Toxicity

• Aquatic 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 eth	er	
EC50 / 48 h	>4000 mg/l (daphnia magna)	
	•	(Contd. on page 8

Page 8/10

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

Printing date 04.12.2014

Version number 48

Revision: 26.11.2014

Trade name: ProMATIC® GUIDECOAT BLACK 500 ML

	(Contd. of page 7)		
123-86-4 n-butyl aceta	123-86-4 n-butyl acetate		
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	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	
		(Contd. on page 9)

GB

Page 9/10

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

Printing date 04.12.2014

Version number 48

Revision: 26.11.2014

Trade name: ProMATIC® GUIDECOAT BLACK 500 ML

	(Contd. of pag
14.3 Transport hazard class(es)	
ADR	
V	
Class	2 5F Gases.
Label	2.1
IMDG, IATA	
A	
	2.1
Class Label	2.1 2.1
	2.1
14.4 Packing group	17 • 1
ADR, IMDG, IATA	Void
14.5 Environmental hazards:	
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)	1L
Excepted quantities (EQ)	Code: E0
_	Not permitted as Excepted Quantity
Transport category	2 D
Tunnel restriction code	<i>D</i>
IMDG	
Limited quantities (LQ)	IL Calar E0
Excepted quantities (EQ)	<i>Code: E0</i> <i>Not permitted as Excepted Quantity</i>
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.

(Contd. on page 10)

GB

Page 10/10

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

Printing date 04.12.2014

Version number 48

Revision: 26.11.2014

Trade name: ProMATIC® GUIDECOAT BLACK 500 ML

(Contd. of page 9)
H224 Extremely flammable liquid and vapour.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H228 Flammable solid.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
11350 Muy cause arowsiness of alzemess.
R10 Flammable.
R11 Highly flammable.
R12 Extremely flammable.
R22 Harmful if swallowed.
R36 Irritating to eyes.
R37/38 Irritating to respiratory system and skin.
<i>R41 Risk of serious damage to eyes.</i>
<i>R66 Repeated exposure may cause skin dryness or cracking.</i>
<i>R67</i> Vapours may cause drowsiness and dizziness.
• Department issuing MSDS: R&D legislation and regulatory advisor
· Contact: QHSE Department
· 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 européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangarous Goode by Poad)
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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Flam. Gas 1: Flammable gases, Hazard Category 1
Flam. Aerosol 1: Flammable aerosols, Hazard Category 1 Press. Gas C: Gases under pressure: Compressed gas
Flam. Liq. 1: Flammable liquids, Hazard Category 1
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Flam. Liq. 3: Flammable liquids, Hazard Category 3 Flam. Liq. 3: Flammable liquids, Hazard Category 3
Flam. Sol. 1: Flammable solids, Hazard Category 1
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
• * Data compared to the previous version altered.
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