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

Printing date 17.02.2021

Version number 35

Revision: 17.12.2019

	Identification of the substance/mixture and of the company/undertaking
1.1 Product ide	
	OLORMATIC 1K CLEAR LACQUER HIGH GLOSS 400 ML
No further relevent Sector of Usen SU21 Consum SU22 Professi Product catego Process catego PROC7 Indust PROC11 Non	entified uses of the substance or mixture and uses advised against ant information available. er uses: Private households / general public / consumers onal uses: Public domain (administration, education, entertainment, services, craftsmen) ry PC9a Coatings and paints, thinners, paint removers y
Manufacturer/A MOTIP DUPLI Wolfraamweg 2 NL- 8471 XC W The Netherland Tel: +31 (0)56 Fax: +31 (0)56 e-mail: msds@r Further inform 1.4 Emergency	B.V. olvega 5 1 694400 1 694411 1.motipdupli.com ation obtainable from: Department Product Safety telephone number:
	400 (09:00h - 17:00h) mal Poisons Information Centre Tel: +44 0344 892 0111
SECTION 2	Hazards identification
2.1 Classification	on of the substance or mixture ccording to Regulation (EC) No 1272/2008
	11222-11227 Extremely juminuble derosol. I ressurised container, way burst ij nealed.

Eye Irrit. 2	H319	Causes serious eye irritation.	
STOT SE 3	H336	May cause drowsiness or dizziness.	
Aquatic Chron	ic 3 H412	Harmful to aquatic life with long lasting effects.	
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(Contd. of page 1) · 2.2 Label elements · Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation. · Hazard pictograms GHS02 GHS07 · Signal word Danger · Hazard-determining components of labelling: acetone Hydrocarbons, C9, aromatics 2-methoxy-1-methylethyl acetate butan-1-ol · Hazard statements H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H412 Harmful to aquatic life with long lasting effects. · Precautionary statements If medical advice is needed, have product container or label at hand. P101 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. Dispose of contents / container in accordance with regional regulations. P501 · Additional information: Buildup of explosive mixtures possible without sufficient ventilation. · 2.3 Other hazards · Results of PBT and vPvB assessment · PBT: Not applicable. · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

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

· Dangerous components:		
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	20-<25%
CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37	dimethyl ether Flam. Gas 1A, H220 Press. Gas (Comp.), H280	12.5-<20%
EC number: 905-588-0 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	5-<10%
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EC number: 918-668-5	Hydrocarbons, C9, aromatics	5-<109
Reg.nr.: 01-2119455851-35	 Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H335-H336 	
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21	propane Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<109
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32	butane Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<109
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27	isobutane Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<109
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 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-<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%

· Additional information: 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: 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.
- 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.
- \cdot 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: Use fire extinguishing methods suitable to surrounding conditions.
- \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.

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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.
 Keep away from ignition sources.
 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. • 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.
- · 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

- · 8.1 Control parameters
- Additional information about design of technical facilities: No further data; see item 7.

· Ingre	dients 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/m³, 500 ppm
115-1	0-6 dimethyl ether
WEL	Short-term value: 958 mg/m ³ , 500 ppm
	Long-term value: 766 mg/m³, 400 ppm
xylen	e
WEL	Short-term value: 441 mg/m ³ , 100 ppm
	Long-term value: 220 mg/m ³ , 50 ppm
	Sk; BMGV
106-9	7-8 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)
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	5-6 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
	1-4 ethylbenzene
WEL	Short-term value: 552 mg/m³, 125 ppm
	Long-term value: 441 mg/m ³ , 100 ppm
	Sk
71-36	-3 butan-1-ol
WEL	Short-term value: 154 mg/m³, 50 ppm
	Sk
Ingre	dients with biological limit values:
xylen	
-	v 650 mmol/mol creatinine
DMG	Medium: urine
	Sampling time: post shift
	Parameter: methyl hippuric acid
A	ional information: The lists valid during the making were used as basis.
Auuu	ional information: The lists value during the making were used as basis.
	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.
	rt inhale gases / fumes / aerosols.
	contact with the eyes and skin.
	contact with the eyes.
Respi	ratory 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.
	A2/P3 ction of hands:
11000	chon of numus.
II.	
U III	Protective gloves
V	
Mate	ial of gloves
	rubber, BR
-	election of the suitable gloves does not only depend on the material, but also on further marks of qualit
	aries from manufacturer to manufacturer.
	ration time of glove material
	rubber gloves with a thickness of 0.4 mm are resistant to:
-	one: 480 min
Butyl	acetate: 60 min
-	acetate: 170 min
	ne: 42 min
	rubber gloves with a thickness of 0.4 mm are solvent resistant for 42- 480 minutes. As protective
measi of 42	ure, we recommend that users and responsible persons for work safety assume solvent resistance length minutes. Considering the data in section 3 of this SDS, one can assume longer resistance length in
partic	ular cases.
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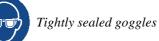
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•	Eye	protection:
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and c General Information	• •	
Appearance:		
Form:	Aerosol	
Colour:	Colourless	
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		
Flash point:	Not applicable, as aerosol.	
Flammability (solid, gas):	Not applicable.	
Ignition temperature:	240 °C (464 °F)	
Decomposition temperature:	Not determined.	
Explosive properties:	Not determined.	
Explosion limits:		
Lower:	2.6 Vol %	
Upper:	26.2 Vol %	
Vapour pressure at 20 $\bullet C$ (68 $\bullet F$):	4000 hPa (3000.2 mm Hg)	
Density at 20 °C (68 °F):	0.8 g/cm ³ (6.7 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:	04.2.07	
Organic solvents:	84.3 %	
VOC (EC)		
	667.9 g/l	
VOC-EU%	84.32 %	
Solids content:	15.5 %	
9.2 Other information	No further relevant information available.	

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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.

- 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 acetone			
Oral	LD50	5800 mg/kg (rat)	
Dermal	LD50	>15800 mg/kg (rabbit)	
Inhalative	LC50/4h	76 mg/l (rat)	
xylene			
Oral	LD50	3523 mg/kg (rat)	
Dermal	LD50	2000 mg/kg (rabbit)	
Inhalative	LC50/4 h	29000 mg/m3 (rat)	
108-65-62	e-methoxy-1	-methylethyl acetate	
Oral	LD50	8530 mg/kg (rat)	
Dermal	LD50	>5000 mg/kg (rabbit)	
Inhalative	LC50/4 h	>10000 mg/m3 (rat)	
100-41-4 e	ethylbenzene	2	
Oral	LD50	3500 mg/kg (rat)	
71-36-3 bi	ıtan-1-ol		
Oral	LD50	2292 mg/kg (rat)	
Dermal	LD50	3430 mg/kg (rabbit)	
Inhalative	LC50/4 h	17000 mg/m3 (rat)	
Primary ir	ritant effect		
-	sion/irritati		
Causes ski	n irritation.		
Serious eye damage/irritation			

• Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

• Additional toxicological information:

· 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.

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12.1 Toxicit	y
Aquatic toxi	city:
67-64-1 ace	tone
LC50/96h	8300 mg/l (fish)
EC50/96h	7200 mg/l (algae)
LC50 / 48 h	8450 mg/l (crustacean (water flea))
	nethyl ether
EC50 / 96 h	155 mg/l (algae)
LC50 / 48 h	>4000 mg/l (daphnia magna)
LC50 / 96 h	>4000 mg/l (fish)
xylene	
EC50/48 h	7.4 mg/l (daphnia magna)
	13.5 mg/l (fish)
	methoxy-1-methylethyl acetate
	>500 mg/l (daphnia magna)
	100-180 mg/l (oncorhynchus mykiss / Regenbogenforelle)
71-36-3 but	ın-1-ol
LC50 / 96 h	1376 mg/l (fish)
General not Water hazar Do not allov Danger to d Harmful to a 12.5 Results PBT: Not ap vPvB: Not a	d class 2 (German Regulation) (Self-assessment): hazardous for water v product to reach ground water, water course or sewage system. rinking water if even small quantities leak into the ground. aquatic organisms of PBT and vPvB assessment oplicable.
13.1 Waste i Recommend	disposed together with household garbage. Do not allow product to reach sewage system. packaging:
Uncleaned _I Recommend	

•	14.1	UN-Num	ber
• .	ADR	, IMDG, I	IATA

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14.2 UN proper shipping name	
ADR IMDC	1950 AEROSOLS
IMDG IATA	AEROSOLS AEROSOLS, flammable
14.3 Transport hazard class(es)	AEROSOES, Jiammaole
ADR	
Class	2 5F Gases.
Label	2.1
IMDG, IATA	
Class Label	2.1 2.1
	2.1
14.4 Packing group ADR, IMDG, IATA	not regulated
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user Hazard identification number (Kemler code):	Warning: Gases.
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. SC60 For AEROSOLS with a maximum capacity of 1 litre
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:
	<i>For WASTE AEROSOLS:</i> Segregation as for the appropriate subdivision of class 2.
14.7 Transport in bulk according to Annex II Marpol and the IBC Code	
Transport/Additional information:	~~
ADR	
Limited quantities (LQ)	1L
Excepted quantities $(\widetilde{E}Q)$	Code: E0
	Not permitted as Excepted Quantity Code: E0
	Not permitted as Excepted Quantity
Transport category	
Transport category Tunnel restriction code	$\overset{2}{D}$
Tunnel restriction code	D D
Tunnel restriction code IMDG	
Tunnel restriction code	D IL Code: E0

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	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
- · 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.

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.

· Department issuing SDS: R&D legislation and regulatory advisor

· Contact: msds@nl.motipdupli.com

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)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent

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PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative Flam. Gas 1A: Flammable gases - Category 1A 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 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 \cdot * Data compared to the previous version altered.