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

Printing date 09.02.2021

Version number 110

Revision: 09.09.2020

1.1 Product identifier	
Trade name: <u>MOTIP</u>	B HIGH GLOSS WHITE 500 ML
No further relevant inf Sector of Use SU21 Consumer uses SU22 Professional us Product category PC9 Process category PROC7 Industrial sp. PROC11 Non industri	d uses of the substance or mixture and uses advised against formation available. s: Private households / general public / consumers ses: Public domain (administration, education, entertainment, services, craftsmen) Da Coatings and paints, thinners, paint removers raying
1.3 Details of the supp Manufacturer/Supplie MOTIP DUPLI B.V. Wolfraamweg 2 NL- 8471 XC Wolvega The Netherlands Tel: +31 (0)561 6944 Fax: +31 (0)561 6944 e-mail: msds@nl.motij	00 11
<i>Further information o</i> <i>1.4 Emergency teleph</i> +31 (0)561-694400 (0	
UK: NPIS National Pe	pisons Information Centre Tel: +44 0344 892 0111
	ards identification he substance or mixture ing to Regulation (EC) No 1272/2008
Aerosol 1 H222-H22	29 Extremely flammable aerosol. Pressurised container: May burst if heated.
	Causes serious eye irritation.
Eye Irrit. 2 H319 STOT SE 3 H336	May cause drowsiness or dizziness.

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#### Trade name: MOTIP® HIGH GLOSS WHITE 500 ML

** *	(Contd. of page
Hazard p	<i>sictograms</i>
$\wedge$	$\wedge$
1	
GHS02	GHS07
011502	011507
Signal w	ord Danger
Hazard-a	letermining components of labelling:
acetone	
n-butyl a	cetate
2-methox	xy-1-methylethyl acetate
butan-1-	
	tatements
H222-H2	229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
	onary statements
P101	If medical advice is needed, have product container or label at hand.
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.
	al information:
EUH066	Repeated exposure may cause skin dryness or cracking.
	of explosive mixtures possible without sufficient ventilation.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or
	mist.
2.3 Other	r hazards

- *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: 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	25-<50%
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	10-<12.5%
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	10-<12.5%
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 STOT SE 3, H336	5-<10%
	(0	Contd. on page 3)

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		Contd. of page
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0	butane Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<10%
Reg.nr.: 01-2119474691-32 CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0	isobutane Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<10%
Reg.nr.: 01-2119485395-27 CAS: 13463-67-7 EINECS: 236-675-5 Index number: 022-006-00-2 Reg.nr.: 01-2119489379-17	titanium dioxide	2.5-<5%
CAS: 71-36-3 EINECS: 200-751-6 Index number: 603-004-00-6 Reg.nr.: 01-2119484630-38	<ul> <li>butan-1-ol</li> <li>Flam. Liq. 3, H226</li> <li>Eye Dam. 1, H318</li> <li>Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335- H336</li> </ul>	2.5-<5%
CAS: 9004-70-0	cellulose nitrate Flam. Sol. 1, H228 the wording of the listed hazard phrases refer to section 16.	<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: 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: Use fire extinguishing methods suitable to surrounding conditions.
- · 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 Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources.

· 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.

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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.

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

- 67-64-1 acetone
- WEL Short-term value: 3620 mg/m<sup>3</sup>, 1500 ppm
  - Long-term value: 1210 mg/m<sup>3</sup>, 500 ppm

#### 123-86-4 n-butyl acetate

WEL Short-term value: 966 mg/m<sup>3</sup>, 200 ppm Long-term value: 724 mg/m<sup>3</sup>, 150 ppm

#### 108-65-6 2-methoxy-1-methylethyl acetate

WEL Short-term value: 548 mg/m<sup>3</sup>, 100 ppm Long-term value: 274 mg/m<sup>3</sup>, 50 ppm Sk

#### 106-97-8 butane

WEL Short-term value: 1810 mg/m<sup>3</sup>, 750 ppm Long-term value: 1450 mg/m<sup>3</sup>, 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<sup>3</sup>, 50 ppm Sk

• 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.

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· 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.

Filter A2/P3

• Protection of hands:



Protective gloves

#### • Material of gloves Butyl rubber, BR

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.

· 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

Butyl rubber gloves with a thickness of 0.4 mm are solvent resistant for 42- 480 minutes. As protective measure, we recommend that users and responsible persons for work safety assume solvent resistance length of 42 minutes. Considering the data in section 3 of this SDS, one can assume longer resistance length in particular cases.

· Eye protection:



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Tightly sealed goggles

# **SECTION 9: Physical and chemical properties**

• 9.1 Information on basic physical and ch • General Information	nemical properties
· Appearance:	
Form:	Aerosol
Colour:	White
· 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:	Not applicable, as aerosol.
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	333 °C (631.4 °F)
· Decomposition temperature:	Not determined.
· Explosive properties:	Not determined.
· Explosion limits:	
Lower:	1.2 Vol %
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Upper:	13 Vol %
· Vapour pressure at 20 °C (68 °F):	3500 hPa (2625.2 mm Hg)
• Density at 20 •C (68 •F):	0.7 g/cm <sup>3</sup> (5.8 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:	87.8 %
Water:	0.3 %
VOC (EC)	
	646.9 g/l
· VOC-EU%	87.85 %
· Solids content:	11.6 %
· 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

-1

• 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.

LD50	5800 mg/kg (rat)
LD50	>15800 mg/kg (rabbit)
LC50/4h	76 mg/l (rat)
-butyl aceta	ite
LD50	10800 mg/kg (rat) (OECD 401)
LD50	>17600 mg/kg (rabbit)
LC50/4 h	>21 mg/m3 (rat)
-methoxy-1	-methylethyl acetate
LD50	8530 mg/kg (rat)
LD50	>5000 mg/kg (rabbit)
LC50/4 h	>10000 mg/m3 (rat)
,	LD50 LC50 / 4h -butyl aceta LD50 LD50 LC50 / 4 h -methoxy-1 LD50 LD50

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71-36-3 bi	utan-1-ol	
Oral	LD50	2292 mg/kg (rat)
Dermal	LD50	3430 mg/kg (rabbit)
Inhalative	LC50/41	h 17000 mg/m3 (rat)
Skin corro Serious ey Causes sei	e damage/l rious eye ir	t <b>ion</b> Based on available data, the classification criteria are not met. i <b>rritation</b> ritation.
Additional CMR effec Germ cell Carcinoge Reproduct STOT-sing May cause STOT-rep	l toxicologi cts (carcino mutagenic micity Base tive toxicity gle exposure drowsines eated expo	ensitisation Based on available data, the classification criteria are not met. ical information: ogenity, mutagenicity and toxicity for reproduction) ity Based on available data, the classification criteria are not met. ed on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. so or dizziness. sure Based on available data, the classification criteria are not met. sure Based on available data, the classification criteria are not met. sure Based on available data, the classification criteria are not met. sure Based on available data, the classification criteria are not met. sure Based on available data, the classification criteria are not met.
12.1 Toxic	city	cological information
Aquatic to 67-64-1 ac		
LC50/96h		a / (fish)
LCJ0/9011	~	g/l (algae)
EC50/06h		(// (uigue)
	~	A (ouistacoan (water floa))
LC50/48	h 8450 mg	g/l (crustacean (water flea))
108-65-62	h 8450 mg 2 <b>-methoxy-</b>	1-methylethyl acetate
LC50 / 48 <b>108-65-6</b> 2 EC50 / 48	h 8450 mg 2-methoxy- h >500 mg	<b>1-methylethyl acetate</b> g/l (daphnia magna)
LC50 / 48 <b>108-65-6</b> 2 EC50 / 48 LC50 / 96	h 8450 mg 2-methoxy- h >500 mg h 100-180	1-methylethyl acetate
LC50 / 48 1 <b>08-65-6</b> 2 EC50 / 48 LC50 / 96 <b>71-36-3 b</b> i	h 8450 mg 2-methoxy- h >500 m h 100-180 utan-1-ol	<b>1-methylethyl acetate</b> g/l (daphnia magna) ) mg/l (oncorhynchus mykiss / <b>R</b> egenbogenforelle)
LC50 / 48 1 <b>08-65-6</b> 2 EC50 / 48 LC50 / 96 <b>71-36-3 b</b> LC50 / 96	h       8450 mg         2-methoxy-         h       >500 mg         h       100-180         utan-1-ol         h       1376 mg	<b>1-methylethyl acetate</b> g/l (daphnia magna) ) mg/l (oncorhynchus mykiss / Regenbogenforelle) g/l (fish)
LC50 / 48 108-65-6 2 EC50 / 48 LC50 / 96 71-36-3 bi LC50 / 96 12.2 Persi 12.3 Bioac 12.4 Mobi Additional	h 8450 mg 2-methoxy- h >500 m h 100-180 utan-1-ol h 1376 mg stence and ccumulativ lity in soil l ecological	<b>1-methylethyl acetate</b> g/l (daphnia magna) ) mg/l (oncorhynchus mykiss / <b>R</b> egenbogenforelle)
LC50 / 48 108-65-6 2 EC50 / 48 LC50 / 96 71-36-3 bu LC50 / 96 12.2 Persi 12.3 Bioad 12.4 Mobi Additional General n Water haz	h8450 mg2-methoxy-h>500 mgh100-180utan-1-olh1376 mgstence andccumulativelity in soill ecologicalotes:ard class 1	1-methylethyl acetate g/l (daphnia magna) ) mg/l (oncorhynchus mykiss / Regenbogenforelle) g/l (fish) degradability No further relevant information available. e potential No further relevant information available. No further relevant information available.
LC50 / 48 108-65-6 2 EC50 / 48 LC50 / 96 71-36-3 bi LC50 / 96 12.2 Persi 12.3 Bioad 12.4 Mobi Additional General n Water haz General n Water haz Do not all system. 12.5 Resul PBT: Not vPvB: Not	h       8450 mg         2-methoxy-         h       >500 mg         h       100-180         utan-1-ol       h         h       1376 mg         stence and       ccumulative         ccumulative       ity in soil         lecological       otes:         ard class 1       ow undilute         lts of PBT 6       applicable.         applicable       applicable	1-methylethyl acetate g/l (daphnia magna) 0 mg/l (oncorhynchus mykiss / Regenbogenforelle) g/l (fish) degradability No further relevant information available. e potential No further relevant information available. No further relevant information available. I information: (German Regulation) (Self-assessment): slightly hazardous for water ed product or large quantities of it to reach ground water, water course or sewage and vPvB assessment
LC50 / 48 108-65-6 2 EC50 / 48 LC50 / 96 71-36-3 bi LC50 / 96 12.2 Persi 12.3 Bioad 12.4 Mobi Additional General n Water haz General n Water haz Do not all system. 12.5 Resul PBT: Not vPvB: Not	h       8450 mg         2-methoxy-         h       >500 mg         h       100-180         utan-1-ol       h         h       1376 mg         stence and       ccumulative         ccumulative       ity in soil         lecological       otes:         ard class 1       ow undilute         lts of PBT 6       applicable.         applicable       applicable	1-methylethyl acetate g/l (daphnia magna) 0 mg/l (oncorhynchus mykiss / Regenbogenforelle) g/l (fish) degradability No further relevant information available. e potential No further relevant information available. No further relevant information available. I information: (German Regulation) (Self-assessment): slightly hazardous for water ed product or large quantities of it to reach ground water, water course or sewage and vPvB assessment

**Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system. (Contd. on page 8)

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· Uncleaned packaging:

· Recommendation:

Disposal must be made according to official regulations. Disposal must be made according to official regulations.

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	
Class Label	2 5F Gases. 2.1
IMDG, IATA	
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.
Hazard identification number (Kemler code): EMS Number:	
EMS Number: Stowage Code	F-D,S-U SW1 Protected from sources of heat.
Siomage Coue	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.
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 Annex II o	
Marpol and the IBC Code	Not applicable.

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· Transport/Additional information:	
· ADR	
$\cdot$ Limited quantities (LQ)	1L
$\cdot$ 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 $(\widetilde{EQ})$	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
- $\cdot$  Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · 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.
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.
H351 Suspected of causing cancer.

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

· Contact: msds@nl.motipdupli.com

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Abbreviations and acronyms:	
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (l	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 Agree	ement 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 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	
Flam. Sol. 1: Flammable solids – Category 1	
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	
Carc. 2: Carcinogenicity – Category 2	
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3	
* Data compared to the previous version altered.	
· · ·	