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SECTION 1:	Identifica	tion of the substance/mixture and of the company/undertaking
· 1.1 Product ider	ntifier	
· Trade name: <u>M</u>	otip Clear gl	ossy / mat
 1.2 Relevant ide No further relev. Sector of Use SU21 Consume SU22 Professio Product categor Process categor PROC7 Indust PROC11 Non in 	ntified uses (ant informati er uses: Priva onal uses: Pu y PC9a Coo y rial spraying ndustrial spr	nte households / general public / consumers blic domain (administration, education, entertainment, services, craftsmen) atings and paints, thinners, paint removers
 1.3 Details of th Manufacturer/S MOTIP DUPLI Kurt Vogelsang D-74855 Haβma Tel.: +49/6266/ msds@de.motip 	t upplier: GmbH Strasse 6 ersheim 75-0	the safety data sheet
	25-310 75-362 am - 04:00 p	m, Fr 08:00 am - 00:30 pm)
SECTION 2:	Hazards i	dentification
		stance or mixture Regulation (EC) No 1272/2008
Aerosol 1	Н222-Н2	29 Extremely flammable aerosol. Pressurised container: May burst if heated.
GHS)7	
Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H336	May cause drowsiness or dizziness.
Aquatic Chronic	3 H412	Harmful to aquatic life with long lasting effects.
	ding to Regu	<i>lation (EC) No 1272/2008</i> <i>labelled according to the CLP regulation.</i> (Contd. on page 2)

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	(Contd. of page
· Hazard p	pictograms
	\wedge
J.	
GHS02	GHS07
011502	
· Signal w	ord Danger
· Hazard-a	determining components of labelling:
acetone	
	rbons, C9, aromatics
	cy-1-methylethyl acetate
n-butyl a	
	tatements
	229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.
	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.
	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:
	Repeated exposure may cause skin dryness or cracking.
-	of explosive mixtures possible without sufficient ventilation.
· 2.3 Other	-
	f PBT and vPvB assessment
• PBT: No	t 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.

CAS: 67-64-1	acetone	25-<50%
EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49	 Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336 	
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 (Comp.), H280	12.5-<20%
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 (Comp.), H280	12.5-<20%
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%

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		(0	Contd. of page 2)
	EC number: 905-588-0	xylene	5-<10%
	Index number: 601-022-00-9	🛞 Flam. Liq. 3, H226	
	Reg.nr.: 01-2119488216-32	🗞 STOT RÊ 2, H373; Asp. Tox. 1, H304	
		Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315;	
		<i>Eye Irrit. 2, H319; STOT SE 3, H335</i>	
	EC number: 918-668-5	Hydrocarbons, C9, aromatics	5-<10%
	Reg.nr.: 01-2119455851-35	🚸 Flam. Liq. 3, H226	
		🕹 Asp. Tox. 1, H304	
		Aquatic Chronic 2, H411	
		🚯 STOT SE 3, H335-H336	
Γ	CAS: 75-28-5	isobutane	5-<10%
	EINECS: 200-857-2	🚸 Flam. Gas 1, H220	
	Index number: 601-004-00-0	Press. Gas (Comp.), H280	
	Reg.nr.: 01-2119485395-27		
	CAS: 123-86-4	n-butyl acetate	2.5-<5%
	EINECS: 204-658-1	🛞 Flam. Liq. 3, H226	
	Index number: 607-025-00-1	🚯 STOT SE 3, H336	
	Reg.nr.: 01-2119485493-29	* 	
		·	

· Additional information:

The content of Benzene (EINECS-Nr. 200-753-7) in the ingredients is less than 0,1% (Note P Annex 1A 1272/2008 EU), so the classification as carcinogen need not to apply. xylene: Contains ethylbenzene CAS 100-41-4 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:
- *CO2*, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. 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.
- 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.

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- · 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: 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

• Additional information about design of technical facilities: No further data; see item 7. · 8.1 Control parameters · Ingredients 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 106-97-8 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) 108-65-6 2-methoxy-1-methylethyl acetate WEL Short-term value: 548 mg/m³, 100 ppm Long-term value: 274 mg/m³, 50 ppm Sk xylene WEL Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm Sk; BMGV 123-86-4 n-butyl acetate WEL Short-term value: 966 mg/m³, 200 ppm Long-term value: 724 mg/m³, 150 ppm · Ingredients with biological limit values: xylene BMGV 650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid (Contd. on page 5)

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Colour:

· Odour:

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· Additional information · The	lists valid during the making were used as basis. (Contd. of pag
-	usis valia aaring me making were used as basis.
8.2 Exposure controls	
Personal protective equipme	
General protective and hygie	
Keep away from foodstuffs, b	
Immediately remove all soile	
Wash hands before breaks ar	•
Do not inhale gases / fumes / Avoid contact with the eyes a	
Avoid contact with the eyes a Avoid contact with the eyes.	na skin.
Respiratory protection:	
Not necessary if room is well	-ventilated
	ow pollution use respiratory filter device. In case of intensive or longer exposi
Protection of hands:	
	dust protective gloves made of butyl shoud be used (min. 0.4 mm thick), e.g. 8 or similar products
Solvent resistant gloves	
	nmendation to the glove material can be given for the product/ the preparation
	impermeable and resistant to the product/ the substance/ the preparation. al on consideration of the penetration times, rates of diffusion and the
Material of gloves	
Natural rubber, NR	
Butyl rubber, BR	
and varies from manufacture resistance of the glove mater	gloves does not only depend on the material, but also on further marks of qual r to manufacturer. As the product is a preparation of several substances, the ial can not be calculated in advance and has therefore to be checked prior to b
application. Penetration time of glove me	atonial
	ickness of 0.4 mm are resistant to:
Acetone: 480 min	ienness of 0.4 min are resistant to.
Butyl acetate: 60 min	
Ethyl acetate: 170 min	
Xylene: 42 min	
	e has to be found out by the manufacturer of the protective gloves and has to b
of the following material are	n work areas without heightened risk of injury (e.g. Laboratory) gloves made e suitable:
Natural rubber, NR	
Eye protection:	
Tightly sealed gog	ggles
SECTION 9: Physical a	and chemical properties
	ysical and chemical properties
General Information	
Appearance:	
Form: Colouri	Aerosol Clear

Clear

Characteristic

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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:	1.5 Vol %
Upper:	13 Vol %
Vapour pressure at 20 \bullet C (68 \bullet F):	8,300 hPa (6,225.5 mm Hg)
Density at 20 °C (68 °F):	0.71 g/cm ³ (5.92 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:	88.5 %
VOC (EC)	
	628.4 g/l
VOC-EU%	88.50 %
Solids content:	0.3 %
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

2

- 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.

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LD/LC50	values relev	ant for classification:
67-64-1 ac		
Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	>15,800 mg/kg (rabbit)
Inhalative	LC50/4h	76 mg/l (rat)
108-65-62	e-methoxy-1	-methylethyl acetate
Oral	LD50	8,530 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>10,000 mg/m3 (rat)
xylene		
Oral	LD50	3,523 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	29,000 mg/m3 (rat)
Hydrocarb	ons, C9, ar	omatics
Oral	LD50	3,592 mg/kg (rat)
Dermal	LD50	3,160 mg/kg (rabbit)
123-86-4 n	i-butyl aceta	ate
Oral	LD50	10,800 mg/kg (rat) (OECD 401)
Dermal	LD50	>17,600 mg/kg (rabbit)
Inhalative	LC50/4 h	>21 mg/m3 (rat)
Primary ir	ritant effect	/. •

• 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 toxi	city:
67-64-1 acet	tone
LC50/96h	8,300 mg/l (fish)
EC50/96h	7,200 mg/l (algae)
LC50 / 48 h	8,450 mg/l (crustacean (water flea))
108-65-6 2-1	nethoxy-1-methylethyl acetate
EC50 / 48 h	>500 mg/l (daphnia magna)
LC50 / 96 h	100-180 mg/l (oncorhynchus mykiss / Regenbogenforelle)
xylene	
EC50 / 48 h	7.4 mg/l (daphnia magna)
LC50/96 h	13.5 mg/l (fish)

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Hydrocarbons, C9, aromatics

EC50 / 48 h 3.2 mg/l (Daphnia magna)

EC50 / 72 h 2.75 mg/l (*Pseudokirchneriella Subcapitata*)

EC50 / 96 h 9.2 *mg/l* (*Regenbogenforelle*)

• 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.
- · Ecotoxical effects:
- · Remark: Harmful to fish
- · 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. Harmful to aquatic organisms

• 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

15 01 10* packaging containing residues of or contaminated by hazardous substances

· Uncleaned packaging:

· Recommendation:

Disposal must be made according to official regulations.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

Buildup of explosive mixtures possible without sufficient ventilation.

· 14.1 UN-Number		
· ADR, IMDG, IATA	UN1950	
· 14.2 UN proper shipping name		
$\cdot ADR$	1950 AEROSOLS	
·IMDG	AEROSOLS	
·IATA	AEROSOLS, flammable	

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Trade name: Motip Clear glossy / mat (Contd. of page 8) · 14.3 Transport hazard class(es) · ADR · Class 2 5F Gases. · Label 2.1 · IMDG, IATA 2.1 · Class · 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: F-D, S-USW1 Protected from sources of heat. · Stowage Code 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 of Marpol and the IBC Code Not applicable. · Transport/Additional information: · ADR · Limited quantities (LQ) lLCode: E0 • Excepted quantities (EQ) Not permitted as Excepted Quantity · Transport category 2 D · Tunnel restriction code · IMDG · Limited quantities (LQ) lL· Excepted quantities (EQ) Code: E0 Not permitted as Excepted Quantity · UN "Model Regulation": UN 1950 AEROSOLS, 2.1

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- · Directive 2012/18/EU
- \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
- · National regulations:

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

· 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.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

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.

• 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) IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organisation 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 SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative Flam. Gas 1: Flammable gases - Category 1 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 Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) - Category 3

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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 • * Data compared to the previous version altered.

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