

Printing date 02.06.2015 Version number 57 Revision: 02.06.2015

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

- · 1.1 Product identifier
- · Trade name: MOTIP SPRAY PUTTY
- · Article number: 04062
- · 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
- · 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

MOTIP DUPLI B.V.

Wolfraamweg 2

NL-8471 XC Wolvega

The Netherlands

Tel: +31 (0)561 694400 Fax: +31 (0)561 694411 e-mail info@nl.motipdupli.com

- · Further information obtainable from: QHSE Department
- 1.4 Emergency telephone number: +31 (0)561-694400 (09:00h 17:00h)

#### SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008



GHS02 flame

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated. Flam. Aerosol 1



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xn; Harmful

Harmful by inhalation and in contact with skin.

Xi; Irritant

R38: Irritating to skin.

F+; Extremely flammable

R12: Extremely flammable.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Warning! Pressurised container.

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Trade name: MOTIP SPRAY PUTTY

· Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature

- · 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

GHSO

- · Signal word Danger
- · Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H315 Causes skin irritation.H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P260 Do not breathe spray.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251 Do not pierce or burn, even after use.

*P211* Do not spray on an open flame or other ignition source.

*P280* Wear protective gloves / protective clothing.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

*P501* Dispose of contents/container in accordance with local regulations.

- · 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: 1330-20-7	xylene	20-25%
EINECS: 215-535-7	<b>X</b> Xn R20/21	
Index number: 601-022-00-9	<b>★</b> Xi R38	
Reg.nr.: 01-2119488216-32-xxxx	R10	
	<b>♦</b> Flam. Liq. 3, H226	
	Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	
CAS: 74-98-6	propane	12.5-20%
EINECS: 200-827-9	F+ R12	
Index number: 601-003-00-5	6 Flam. Gas 1, H220	
Reg.nr.: 01-2119486944-21-xxxx		
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G1G 106 07 0		ontd. of page
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32-xxxx	butane	10-12.59
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27-xxxx	isobutane	5-10%
CAS: 64742-49-0 EC number: 931-254-9 Reg.nr.: 01-2119475133-43-xxxx	Naphtha (petroleum), hydrotreated light  Xn R65  F R11  N R51/53  R67  Carc. Cat. 2, Muta. Cat. 2  Flam. Liq. 2, H225  Asp. Tox. 1, H304  Aquatic Chronic 2, H411  STOT SE 3, H336	5-10%
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49-xxxx	acetone  Xi R36 F R11 R66-67 Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	5-10%
CAS: 71-36-3 EINECS: 200-751-6 Index number: 603-004-00-6 Reg.nr.: 01-2119484630-38-xxxx	butan-1-ol  Xn R22  Xi R37/38-41  R10-67  Flam. Liq. 3, H226  Eye Dam. 1, H318  Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	1-2.5%
CAS: 100-41-4 EINECS: 202-849-4 Index number: 601-023-00-4 Reg.nr.: 01-2119489370-35-xxxx	ethylbenzene  Xn R20  FR11  Flam. Liq. 2, H225  STOT RE 2, H373; Asp. Tox. 1, H304  Acute Tox. 4, H332	1-2.5%

#### SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

• Additional information: For the wording of the listed risk phrases refer to section 16.

- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact: Rinse opened eye for several minutes under running water. Then 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.

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 $\cdot$  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:

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: Mouth respiratory protective device.

#### SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

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:

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.

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 Control parameters

· 0.1 C	ontrol parameters			
· Ingredients with limit values that require monitoring at the workplace:				
1330-	1330-20-7 xylene			
WEL	Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm Sk; BMGV			
106-9	7-8 butane			
WEL	Short-term value: $1810 \text{ mg/m}^3$ , $750 \text{ ppm}$ Long-term value: $1450 \text{ mg/m}^3$ , $600 \text{ ppm}$ Carc (if more than $0.1\%$ of buta- $1.3$ -diene)			
67-64	7-64-1 acetone			
WEL	Short-term value: $3620 \text{ mg/m}^3$ , $1500 \text{ ppm}$ Long-term value: $1210 \text{ mg/m}^3$ , $500 \text{ ppm}$			
71-36	-3 butan-1-ol			
WEL	Short-term value: 154 mg/m³, 50 ppm Sk			
100-4	1-4 ethylbenzene			
WEL	Short-term value: 552 mg/m³, 125 ppm Long-term value: 441 mg/m³, 100 ppm			

#### · Ingredients with biological limit values:

#### 1330-20-7 xylene

Sk

BMGV 650 mmol/mol creatinine

Medium: urine

Sampling time: post shift

Parameter: methyl hippuric acid

· 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 skin.

Avoid contact with the eyes and skin.

#### · 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.

#### · Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



Protective gloves

· Material of gloves

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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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection: Not required.

9.1 Information on basic physical an	nd chemical properties
General Information	• •
Appearance:	
Form:	Aerosol
Colour: Odour:	According to product specification 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:	> 200 °C (> 392 °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:	1.0 Vol %
Upper:	10.9 Vol %
Vapour pressure at 20 °C (68 °F):	3500 hPa (2625 mm Hg)
Density at 20 °C (68 °F):	$0.795 \ g/cm^3 \ (6.634 \ lbs/gal)$
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:	76.6 %
EU-VOC: EU-VOC in %:	609.3 g/l 76.65 %

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· 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.

#### SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
- · Acute toxicity

· Acme water		
· LD/LC50 values relevant for classification:		
1330-20-7	1330-20-7 xylene	
Oral	LD50	3523 mg/kg (rat)
Dermal	<i>LD50</i>	2000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	22.1 mg/m3 (rat)
106-97-8 b	utane	
Inhalative	LC50/4 h	658000 mg/m3 (rat)
64742-49-	0 Naphtha (	petroleum), hydrotreated light
Oral	LD50	>5000 mg/kg (rat)
Dermal	<i>LD50</i>	>2600 mg/kg (rabbit)
Inhalative	LC50 / 4 h	>193 mg/m3 (rat)
67-64-1 acetone		
Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	20000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	39 mg/m3 (rat)
71-36-3 butan-1-ol		
Oral	LD50	2292 mg/kg (rat)
Dermal	<i>LD50</i>	3430 mg/kg (rabbit)
Inhalative	LC50 / 4 h	17.76 mg/m3 (rat)
100-41-4 ethylbenzene		
Oral	LD50	3500 mg/kg (rat)
Dermal	LD50	17800 mg/kg (rabbit)
Primary irritant effect:		

- · Primary irritant effect.
- · Skin corrosion/irritation Irritant to skin and mucous membranes.
- · Serious eye damage/irritation No irritating effect.
- · Respiratory or skin sensitisation No sensitising effects known.
- · Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful

Irritant

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### SECTION 12: Ecological information

#### · 12.1 Toxicity

· Aquatic toxicity:	· Aquatic toxicity:	
1330-20-7 xylene	1330-20-7 xylene	
EC50 / 48 h	7.4 mg/l (daphnia magna)	
LC50 / 96 h	13.5 mg/l (fish)	
64742-49-0 Naphth	64742-49-0 Naphtha (petroleum), hydrotreated light	
LC50	127-159 mg/l (Leuciscus idus)	
67-64-1 acetone	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)	
71-36-3 butan-1-ol	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)	

- · 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*	$l^st$ waste paint and varnish containing organic solvents or other dangerous substances	
Ī	15 01 04	metallic packaging	
		11* metallic packaging containing a dangerous solid porous matrix (for example asbestos), includin	
		empty pressure containers	

- · Uncleaned packaging:
- · Recommendation: Non contaminated packagings may be recycled.

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SECTION 14: Transport informati	ion — — — — — — — — — — — — — — — — — — —
14.1 UN-Number	
· ADR, IMDG, IATA	UN1950
· 14.2 UN proper shipping name	
$\cdot ADR$	1950 AEROSOLS
· IMDG	AEROSOLS
· IATA	AEROSOLS, flammable
· 14.3 Transport hazard class(es)	
· ADR	
· Class	2 5F Gases.
· Label 	2.1
· IMDG, IATA	
· Class · Label	2.1 2.1
· 14.4 Packing group	
· ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Warning: Gases.
Danger code (Kemler):	warning. Gases.
· EMS Number:	F- $D$ , $S$ - $U$
· 14.7 Transport in bulk according to Anne	x II of
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
· Tunnel restriction code	D
· IMDG	
· Limited quantities (LQ)	IL
· Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
· UN ''Model Regulation'':	UN1950, AEROSOLS, 2.1

### SECTION 15: Regulatory information

- $\cdot$  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.

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· 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 the hearing organs through prolonged or repeated exposure.
- *H411 Toxic to aquatic life with long lasting effects.*
- R10 Flammable.
- R11 Highly flammable.
- R12 Extremely flammable.
- R20 Harmful by inhalation.
- R20/21 Harmful by inhalation and in contact with skin.
- R22 Harmful if swallowed.
- R36 Irritating to eyes.
- R37/38 Irritating to respiratory system and skin.
- R38 Irritating to skin.
- R41 Risk of serious damage to eyes.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.
- *R66* Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.
- · Department issuing MSDS: R&D legislation and regulatory advisor
- · Contact: Mr. K. Smedeman
- · 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 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. 2: Flammable liquids, Hazard Category 2

Flam. Liq. 3: Flammable liquids, Hazard Category 3

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

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STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

· \* Data compared to the previous version altered.