

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.06.2015

Version number 82

Revision: 02.06.2015

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

- **1.1 Product identifier**
- **Trade name:** MOTIP CAR CARE TYRE REPAIR
- **Article number:** 000712
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC0 Other
- **Application of the substance / the mixture** Sealant
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
MOTIP DUPLI B.V.  
Wolframweg 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

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

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



F+; Extremely flammable

R12: Extremely flammable.

- **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.*

- **Classification system:**

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

- **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

- **Signal word** Danger

- **Hazard statements**

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

(Contd. on page 2)

## Safety data sheet

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Version number 82

Revision: 02.06.2015

Trade name: **MOTIP CAR CARE TYRE REPAIR**

(Contd. of page 1)

### · **Precautionary statements**

- P102      *Keep out of reach of children.*
- 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.*
- 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: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21-xxxx	propane	 <b>F+ R12</b>  <b>Flam. Gas 1, H220</b> <b>Press. Gas C, H280</b>	20-25%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32-xxxx	butane	 <b>F+ R12</b>  <b>Flam. Gas 1, H220</b> <b>Press. Gas C, H280</b>	12.5-20%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27-xxxx	isobutane	 <b>F+ R12</b>  <b>Flam. Gas 1, H220</b> <b>Press. Gas C, H280</b>	12.5-20%

- **Additional information:** For the wording of the listed risk 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. 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.
- **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:**

CO<sub>2</sub>, 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.

GB

(Contd. on page 3)

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

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Version number 82

Revision: 02.06.2015

Trade name: **MOTIP CAR CARE TYRE REPAIR**

(Contd. of page 2)

### 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**  
No special measures required.  
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.

#### · 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**

#### 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)
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- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.
- **Respiratory protection:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves** Not required.

(Contd. on page 4)

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

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Version number 82

Revision: 02.06.2015

Trade name: **MOTIP CAR CARE TYRE REPAIR**

(Contd. of page 3)

- **Penetration time of glove material** Not required.
- **Eye protection:** Not required.

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

#### · **9.1 Information on basic physical and chemical properties**

##### · **General Information**

##### · **Appearance:**

- **Form:** Aerosol
- **Colour:** According to product specification
- **Odour:** 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:** 365 °C (689 °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:** 1.5 Vol %
- **Upper:** 10.9 Vol %

· **Vapour pressure at 20 °C (68 °F):** 3500 hPa (2625 mm Hg)

· **Density at 20 °C (68 °F):** 0.711 g/cm<sup>3</sup> (5.933 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:** 50.0 %
- **EU-VOC:** 478.9 g/l
- **EU-VOC in %:** 50.00 %
- **Water:** 36.2 %

· **Solids content:** 13.6 %

· **9.2 Other information** No further relevant information available.

GB

(Contd. on page 5)

**Safety data sheet**  
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Version number 82

Revision: 02.06.2015

Trade name: MOTIP CAR CARE TYRE REPAIR

(Contd. of page 4)

### 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**
- |  |            |                                |
|--|------------|--------------------------------|
| · <b>LD/LC50 values relevant for classification:</b> |            |                                |
| <b>106-97-8 butane</b>                               |            |                                |
| Inhalative   | LC50 / 4 h | 658000 mg/m <sup>3</sup> (rat) |
- **Primary irritant effect:**
  - **Skin corrosion/irritation** No irritant effect.
  - **Serious eye damage/irritation** No irritating effect.
  - **Respiratory or skin sensitisation** No sensitising effects known.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **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.
- |                                   |                    |
|-----------------------------------|--------------------|
| · <b>European waste catalogue</b> |                    |
| 20 01 13*                         | solvents           |
| 15 01 04                          | metallic packaging |
- **Uncleaned packaging:**
  - **Recommendation:** Non contaminated packagings may be recycled.

GB

(Contd. on page 6)

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

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Version number 82

Revision: 02.06.2015

Trade name: MOTIP CAR CARE TYRE REPAIR

(Contd. of page 5)

### SECTION 14: Transport information

· 14.1 UN-Number · ADR, IMDG, IATA	UN1950
· 14.2 UN proper shipping name · ADR · IMDG · IATA	1950 AEROSOLS AEROSOLS AEROSOLS, flammable
· 14.3 Transport hazard class(es) · ADR	
	
· Class · Label	2 5F Gases. 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 · Danger code (Kemler): · EMS Number:	Warning: Gases. - F-D,S-U
· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E0 Not permitted as Excepted Quantity
· Transport category · Tunnel restriction code	2 D
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E0 Not permitted as Excepted Quantity
· 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
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.

(Contd. on page 7)

**Safety data sheet**  
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(Contd. of page 6)

· **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.

H280 Contains gas under pressure; may explode if heated.

R12 Extremely flammable.

· **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

· **\* Data compared to the previous version altered.**

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