



Printing date 16.05.2018 Version number 53 Revision: 29.03.2018

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

- · 1.1 Product identifier
- · Trade name: MOTIP® BUMPERSPRAY BLACK 400 ML
- · Article number: 04073
- $\cdot 1.2 \ Relevant \ identified \ uses \ of \ the \ substance \ or \ mixture \ and \ uses \ advised \ against$

No further relevant information available.

· Sector of Use

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

- · Product category PC9a Coatings and paints, thinners, paint removers
- · Process category

PROC7 Industrial spraying

PROC11 Non industrial spraying

- · Application of the substance / the mixture Spray varnish
- · 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: Department Product Safety
- · 1.4 Emergency telephone number:

+31 (0)561-694400 (09:00h - 17:00h)

UK: NPIS National Poisons Information Centre Tel: +44 0344 892 0111

## SECTION 2: Hazards identification

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



GHS02 flame

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



Eye Irrit. 2 H319

Causes serious eye irritation.

STOT SE 3 H336

May cause drowsiness or dizziness.

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)

Printing date 16.05.2018 Version number 53 Revision: 29.03.2018

Trade name: MOTIP® BUMPERSPRAY BLACK 400 ML

### · Hazard pictograms





GHS02 GHS07

· Signal word Danger

## · Hazard-determining components of labelling:

acetone

n-butyl acetate

butan-1-ol

#### · Hazard statements

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

H319 Causes serious eye irritation.H336 May cause drowsiness or dizziness.

### · Precautionary statements

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.

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

### · Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

- · 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.

| CAS: 67-64-1                                            | acetone                             | 25-<50%    |
|---------------------------------------------------------|-------------------------------------|------------|
| EINECS: 200-662-2                                       | Flam. Liq. 2, H225                  |            |
| Index number: 606-001-00-8<br>Reg.nr.: 01-2119471330-49 | Eye Irrit. 2, H319; STOT SE 3, H336 |            |
| CAS: 115-10-6                                           | dimethyl ether                      | 12.5-<20%  |
| EINECS: 204-065-8                                       | Flam. Gas 1, H220                   |            |
| Index number: 603-019-00-8<br>Reg.nr.: 01-2119472128-37 | Press. Gas C, H280                  |            |
| CAS: 123-86-4                                           | n hutul acetate                     | 10-<12.5%  |
| EINECS: 204-658-1                                       | n-butyl acetate  Flam. Liq. 3, H226 | 10-<12.570 |
| Index number: 607-025-00-1                              |                                     |            |
| Reg.nr.: 01-2119485493-29                               | ·                                   |            |
| CAS: 74-98-6                                            | propane                             | 5-<10%     |
| EINECS: 200-827-9                                       | <b>�</b> Flam. Gas 1, H220          |            |
| Index number: 601-003-00-5                              | Press. Gas C, H280                  |            |
| Reg.nr.: 01-2119486944-21                               |                                     | 5 ,100/    |
| CAS: 108-65-6<br>EINECS: 203-603-9                      | 2-methoxy-1-methylethyl acetate     | 5-<10%     |
| Envecs: 203-003-9<br>Index number: 607-195-00-7         | ♦ Flam. Liq. 3, H226                |            |
| Reg.nr.: 01-2119475791-29                               |                                     |            |

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(Contd. of page 1)

Printing date 16.05.2018 Version number 53 Revision: 29.03.2018

Trade name: MOTIP® BUMPERSPRAY BLACK 400 ML

| G1.G 10.6.07.0                                          |                                                                   | (Contd. of pag |
|---------------------------------------------------------|-------------------------------------------------------------------|----------------|
| CAS: 106-97-8<br>EINECS: 203-448-7                      | butane  Flam. Gas 1, H220                                         | 5-<10%         |
| Index number: 601-004-00-0<br>Reg.nr.: 01-2119474691-32 |                                                                   |                |
| CAS: 75-28-5                                            | isobutane                                                         | 5-<10%         |
| EINECS: 200-857-2                                       | <b>♦</b> Flam. Gas 1, H220                                        |                |
| Index number: 601-004-00-0                              | Press. Gas C, H280                                                |                |
| Reg.nr.: 01-2119485395-27                               |                                                                   |                |
| CAS: 71-36-3                                            | butan-1-ol                                                        | <2.5%          |
| EINECS: 200-751-6<br>Index number: 603-004-00-6         | Flam. Liq. 3, H226<br>Eye Dam. 1, H318                            |                |
| Reg.nr.: 01-2119484630-38                               | Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-<br>H336 |                |
| CAS: 9004-70-0                                          | cellulose nitrate                                                 | <2.5%          |
|                                                         | <b>◈</b> Flam. Sol. 1, H228                                       |                |

## 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.

· 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: 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.

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Printing date 16.05.2018 Version number 53 Revision: 29.03.2018

Trade name: MOTIP® BUMPERSPRAY BLACK 400 ML

(Contd. of page 3)

# 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.

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:

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 tha    | t roaniro         | monitoring | at the  | worknlace. |
|---------------|------------|---------------|-------------------|------------|---------|------------|
| Ingicalcius   | <i>w</i>   | · vaiues iiia | <i>i</i> i cuuu c | monuon me  | ui iiic | workbluce. |

#### 67-64-1 acetone

WEL Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm

### 115-10-6 dimethyl ether

WEL Short-term value: 958 mg/m³, 500 ppm Long-term value: 766 mg/m³, 400 ppm

## 123-86-4 n-butyl acetate

WEL Short-term value: 966 mg/m³, 200 ppm Long-term value: 724 mg/m³, 150 ppm

# 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

#### 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)

# 71-36-3 butan-1-ol

WEL Short-term value: 154 mg/m³, 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.

(Contd. on page 5)

Printing date 16.05.2018 Version number 53 Revision: 29.03.2018

Trade name: MOTIP® BUMPERSPRAY BLACK 400 ML

(Contd. of page 4)

Avoid contact with the eyes.

### · 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

### · Material of gloves

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

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

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

· Eye protection:



Tightly sealed goggles

| SECTION 9: Physical and chemical properties               |
|-----------------------------------------------------------|
| 9.1 Information on basic physical and chemical properties |

· General Information

· Appearance:

Form: Aerosol

Colour: Different according to colouring

• 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: <0 °C (<32 °F) Not applicable, as aerosol.

· Flammability (solid, gas): Not applicable.

• Ignition temperature:  $240 \, ^{\circ}C \, (464 \, ^{\circ}F)$ 

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

• Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

**Lower:** 1.2 Vol %

(Contd. on page 6)

Printing date 16.05.2018 Version number 53 Revision: 29.03.2018

Trade name: MOTIP® BUMPERSPRAY BLACK 400 ML

|                                           | (Contd. of pag                             |
|-------------------------------------------|--------------------------------------------|
| Upper:                                    | 26.2 Vol %                                 |
| · Vapour pressure at 20 °C (68 °F):       | 8 hPa (6 mm Hg)                            |
| · Density at 20 °C (68 °F):               | 0.75 g/cm³ (6.26 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:                         | 89.3 %                                     |
| · EU-VOC:                                 | 674.5 g/l                                  |
| · EU-VOC in %:                            | 89.29 %                                    |
| · Water:                                  | 0.3 %                                      |
| $\cdot$ VOC (EC)                          |                                            |
|                                           | 674.5 g/l                                  |
| · VOC-EU%                                 | 89.29 %                                    |
| · Solids content:                         | 9.6 %                                      |
| · 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
- · 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.

| · LD/LC50 values relevant for classification: |            |                        |
|-----------------------------------------------|------------|------------------------|
| 67-64-1 ac                                    | etone      |                        |
| Oral                                          | LD50       | 5,800 mg/kg (rat)      |
| Dermal                                        | LD50       | >15,800 mg/kg (rabbit) |
| Inhalative                                    | LC50 / 4h  | 76 mg/l (rat)          |
| 123-86-4 n-butyl acetate                      |            |                        |
| Oral                                          | LD50       | 10,800 mg/kg (rat)     |
| Dermal                                        | LD50       | >17,600 mg/kg (rabbit) |
| Inhalative                                    | LC50 / 4h  | 1.85 mg/l (rat)        |
| 108-65-6 2                                    | -methoxy-1 | -methylethyl acetate   |
| Oral                                          | LD50       | 8,530 mg/kg (rat)      |
| Dermal                                        | LD50       | >5,000 mg/kg (rabbit)  |
|                                               |            | (C+1                   |

(Contd. on page 7)

Printing date 16.05.2018 Version number 53 Revision: 29.03.2018

Trade name: MOTIP® BUMPERSPRAY BLACK 400 ML

|            |            | (Contd. of page 6)   |  |
|------------|------------|----------------------|--|
| Inhalative | LC50 / 4 h | >10,000 mg/m3 (rat)  |  |
| 71-36-3 bu | ıtan-1-ol  |                      |  |
| Oral       | LD50       | 2,292 mg/kg (rat)    |  |
| Dermal     | LD50       | 3,430 mg/kg (rabbit) |  |

- · Primary irritant effect:
- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · 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

| · 12.1 Toxicuy |                                                                |  |  |  |  |  |
|----------------|----------------------------------------------------------------|--|--|--|--|--|
| · Aquatic toxi | · Aquatic toxicity:                                            |  |  |  |  |  |
| 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))                           |  |  |  |  |  |
| 115-10-6 din   | nethyl ether                                                   |  |  |  |  |  |
| EC50 / 96 h    | 155 mg/l (algae)                                               |  |  |  |  |  |
| LC50 / 48 h    | >4,000 mg/l (daphnia magna)                                    |  |  |  |  |  |
| LC50 / 96 h    | >4,000 mg/l (fish)                                             |  |  |  |  |  |
| 123-86-4 n-l   | 123-86-4 n-butyl acetate                                       |  |  |  |  |  |
| LC50 / 96 h    | LC50 / 96 h   81 mg/l (fish)                                   |  |  |  |  |  |
| 108-65-6 2-1   | 108-65-6 2-methoxy-1-methylethyl acetate                       |  |  |  |  |  |
| EC50 / 48 h    | EC50 / 48 h   >500 mg/l (daphnia magna)                        |  |  |  |  |  |
| LC50 / 96 h    | LC50/96 h 100-180 mg/l (oncorhynchus mykiss/Regenbogenforelle) |  |  |  |  |  |
| 71-36-3 but    | un-1-ol                                                        |  |  |  |  |  |
| LC50 / 96 h    | 1,376 mg/l (fish)                                              |  |  |  |  |  |
| 12.2 D         | 1 1 1 1 1 1 C . 1 1                                            |  |  |  |  |  |

- · 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.

GB

Printing date 16.05.2018 Version number 53 Revision: 29.03.2018

Trade name: MOTIP® BUMPERSPRAY BLACK 400 ML

(Contd. of page 7)

# 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

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

| SECTION 14: Transport informa             | tion                                                |
|-------------------------------------------|-----------------------------------------------------|
| 14.1 UN-Number<br>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                                   | 2 5F Gases.                                         |
| · Label                                   | 2.1                                                 |
|                                           |                                                     |
| · Class                                   | 2.1                                                 |
| · Label                                   | 2.1                                                 |
| · 14.4 Packing group<br>· 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- $D$ , $S$ - $U$                                  |
| · Stowage Code                            | SWI Protected from sources of heat.                 |
| -                                         | SW22 For AEROSOLS with a maximum capacity of 1 l    |
|                                           | Category A. For AEROSOLS with a capacity above 1 la |
|                                           | Category B. For WASTE AEROSOLS: Category C, Cle     |
|                                           | of living quarters.                                 |

(Contd. on page 9)

Printing date 16.05.2018 Version number 53 Revision: 29.03.2018

Trade name: MOTIP® BUMPERSPRAY BLACK 400 ML

|                                          | (Contd. of page                                                                                                                                                                                                                                                                                                               |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 Anne | ex II of                                                                                                                                                                                                                                                                                                                      |
| Marpol and the IBC Code                  | Not applicable.                                                                                                                                                                                                                                                                                                               |
| Transport/Additional information:        |                                                                                                                                                                                                                                                                                                                               |
| ADR                                      |                                                                                                                                                                                                                                                                                                                               |
| Limited quantities (LQ)                  | 1L                                                                                                                                                                                                                                                                                                                            |
| 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 (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
- · 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, 40
- · 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.

(Contd. on page 10)

Printing date 16.05.2018 Version number 53 Revision: 29.03.2018

Trade name: MOTIP® BUMPERSPRAY BLACK 400 ML

(Contd. of page 9)

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.

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

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 C: 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

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

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

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