

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

Printing date 07.01.2020

Version number 72

Revision: 17.12.2019

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** CHEMISOL WHEEL SILVER SPRAY PAINT**Article number:** CHC020101**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:****LUSAVOUGA, S.A**

Edifício Lusavouga

Avenida Europa 375

3800-533 CACIA

Portugal

mail: lusavouga@lusavouga.pt - www.lusavouga.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.



GHS07

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)

GB

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**Trade name: CHEMISOL WHEEL SILVER SPRAY PAINT****Hazard pictograms**

GHS02 GHS07

(Contd. of page 1)

**Signal word** *Danger***Hazard-determining components of labelling:***acetone**n-butyl acetate***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***P101 If medical advice is needed, have product container or label at hand.**P102 Keep out of reach of children.**P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.**P211 Do not spray on an open flame or other ignition source.**P251 Do not pierce or burn, even after use.**P260 Do not breathe spray.**P410+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.**Dangerous components:**

CAS: 67-64-1

EINECS: 200-662-2

Index number: 606-001-00-8

Reg.nr.: 01-2119471330-49

*acetone*

25-&lt;50%

*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*

10-&lt;12.5%

*Flam. Gas 1, H220*  
*Press. Gas (Comp.), H280*

CAS: 106-97-8

EINECS: 203-448-7

Index number: 601-004-00-0

Reg.nr.: 01-2119474691-32

*butane*

5-&lt;10%

*Flam. Gas 1, H220*  
*Press. Gas (Comp.), H280*

CAS: 75-28-5

EINECS: 200-857-2

Index number: 601-004-00-0

Reg.nr.: 01-2119485395-27

*isobutane*

5-&lt;10%

*Flam. Gas 1, H220*  
*Press. Gas (Comp.), H280*

CAS: 123-86-4

EINECS: 204-658-1

Index number: 607-025-00-1

Reg.nr.: 01-2119485493-29

*n-butyl acetate*

5-&lt;10%

*Flam. Liq. 3, H226*  
*STOT SE 3, H336*

(Contd. on page 3)

GB

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Version number 72

Revision: 17.12.2019

**Trade name: CHEMISOL WHEEL SILVER SPRAY PAINT**

(Contd. of page 2)

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	5-<10%
CAS: 7429-90-5 EINECS: 231-072-3 Index number: 013-002-00-1 Reg.nr.: 01-2119529243-45	aluminium powder (stabilised) Flam. Sol. 1, H228	<2.5%
EC number: 905-588-0 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32-xxxx	xylene Flam. Liq. 3, H226 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	<2.5%
CAS: 9004-70-0	cellulose nitrate Flam. Sol. 1, H228	<2.5%

**Additional information:**

CAS 7429-90-5, EINECS 231-072-3, Index 013-002-00-1: Note T  
For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.

**4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

**5.2 Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

**5.3 Advice for firefighters -**

**Protective equipment:** Mouth respiratory protective device.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

**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.

GB

(Contd. on page 4)

**Safety data sheet**  
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Version number 72

Revision: 17.12.2019

Trade name: CHEMISOL WHEEL SILVER SPRAY PAINT

(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.
- **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/m<sup>3</sup>, 1500 ppm  
Long-term value: 1210 mg/m<sup>3</sup>, 500 ppm

**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)

**123-86-4 n-butyl acetate**

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

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

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

**7429-90-5 aluminium powder (stabilised)**

WEL Long-term value: 10\* 4\*\* mg/m<sup>3</sup>  
\*inhalable dust \*\* respirable dust

**xylene**

WEL Short-term value: 441 mg/m<sup>3</sup>, 100 ppm  
Long-term value: 220 mg/m<sup>3</sup>, 50 ppm  
Sk; BMGV

**Ingredients with biological limit values:****xylene**

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.

(Contd. on page 5)

GB



**Trade name: CHEMISOL WHEEL SILVER SPRAY PAINT**

(Contd. of page 4)

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

*Use suitable respiratory protective device in case of insufficient ventilation.*

*Keep away from foodstuffs, beverages and feed.*

*Immediately remove all soiled and contaminated clothing*

*Wash hands before breaks and at the end of work.*

*Do not inhale gases / fumes / aerosols.*

*Avoid contact with the eyes and skin.*

*Avoid contact with the eyes.*

· **Respiratory protection:**



Filter ABEK

*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:**

*In case of contact with spray dust protective gloves made of butyl should be used (min. 0.4 mm thick), e.g. KCL Camatril, article no. 898 or similar products*

*Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.*

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*

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

*Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.*

· **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**

*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:**

<b>Form:</b>	Aerosol
<b>Colour:</b>	Silver-coloured
<b>Odour:</b>	Solvent-like
<b>Odour threshold:</b>	Not determined.

· **pH-value:** Not determined.

· **Change in condition**

<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	Not applicable, as aerosol.

(Contd. on page 6)

**Safety data sheet**  
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Printing date 07.01.2020

Version number 72

Revision: 17.12.2019

Trade name: CHEMISOL WHEEL SILVER SPRAY PAINT

(Contd. of page 5)

· <b>Flash point:</b>	Not applicable, as aerosol.
· <b>Flammability (solid, gas):</b>	Not applicable.
· <b>Ignition temperature:</b>	365 °C (689 °F)
· <b>Decomposition temperature:</b>	Not determined.
· <b>Explosive properties:</b>	Not determined.
· <b>Explosion limits:</b>	
Lower:	1.7 Vol %
Upper:	13 Vol %
· <b>Vapour pressure at 20 °C (68 °F):</b>	3500 hPa (2625.2 mm Hg)
· <b>Density at 20 °C (68 °F):</b>	0.7 g/cm <sup>3</sup> (5.8 lbs/gal)
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
Dynamic:	Not determined.
Kinematic:	Not determined.
· <b>Solvent content:</b>	
Organic solvents:	93.6 %
Water:	0.2 %
VOC (EC)	---
	688.6 g/l
· <b>VOC-EU%</b>	93.58 %
· <b>Solids content:</b>	6.3 %
· <b>9.2 Other information</b>	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 acetone**

Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	>15800 mg/kg (rabbit)
Inhalative	LC50 / 4h	76 mg/l (rat)

(Contd. on page 7)

GB

**Safety data sheet**  
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Version number 72

Revision: 17.12.2019

**Trade name: CHEMISOL WHEEL SILVER SPRAY PAINT**

(Contd. of page 6)

**123-86-4 n-butyl acetate**

Oral	LD50	10800 mg/kg (rat) (OECD 401)
Dermal	LD50	>17600 mg/kg (rabbit)
Inhalative	LC50 / 4 h	>21 mg/m <sup>3</sup> (rat)

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

Oral	LD50	8530 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	>10000 mg/m <sup>3</sup> (rat)

**xylene**

Oral	LD50	3523 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	29000 mg/m <sup>3</sup> (rat)

- **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 (carcinogenicity, 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 toxicity:****67-64-1 acetone**

LC50/96h	8300 mg/l (fish)
EC50/96h	7200 mg/l (algae)
LC50 / 48 h	8450 mg/l (crustacean (water flea))

**108-65-6 2-methoxy-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)

- **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.

(Contd. on page 8)

**Safety data sheet**  
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Version number 72

Revision: 17.12.2019

Trade name: CHEMISOL WHEEL SILVER SPRAY PAINT

(Contd. of page 7)

· 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

## · 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.

**SECTION 14: Transport information**

## · 14.1 UN-Number

## · ADR, IMDG, IATA

UN1950

## · 14.2 UN proper shipping name

## · ADR

1950 AEROSOLS

## · IMDG

AEROSOLS

## · IATA

AEROSOLS, flammable

## · 14.3 Transport hazard class(es)

## · ADR



## · Class

2.5F Gases.

## · Label

2.1

## · IMDG, IATA



## · Class

2.1

## · Label

2.1

## · 14.4 Packing group

## · ADR, IMDG, IATA

not regulated

## · 14.5 Environmental hazards:

Not applicable.

## · 14.6 Special precautions for user

Warning: Gases.

## · Danger code (Kemler):

-

## · EMS Number:

F-D,S-U

(Contd. on page 9)

GB



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**Trade name: CHEMISOL WHEEL SILVER SPRAY PAINT**

(Contd. of page 8)

· <b>Stowage Code</b>	SW1 Protected from sources of heat. 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.
· <b>Segregation Code</b>	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.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity Code: E0 Not permitted as Excepted Quantity
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity Code: E0 Not permitted as Excepted Quantity
· <b>UN "Model Regulation":</b>	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· **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.

(Contd. on page 10)

GB

**Safety data sheet**  
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Version number 72

Revision: 17.12.2019

**Trade name: CHEMISOL WHEEL SILVER SPRAY PAINT**

(Contd. of page 9)

· **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.
- 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.

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

· **Contact:** msds@nl.motipdupli.com

· **Abbreviations and acronyms:**

- 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
- Flam. Sol. 1 Flammable solids – Category 1
- Acute Tox. 4 Acute toxicity - dermal – 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
- STOT RE 2 Specific target organ toxicity (repeated exposure) – Category 2
- Asp. Tox. 1 Aspiration hazard – Category 1

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

GB