



**MSDS - Rubber Comp Spray**  
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**Rubber Comp Aerosol**  
**3****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** MSDS - Rubber Comp Spray  
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- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Paint  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:** Maston Oy  
Teollisuustie 10  
FI 02880 Veikkola - Finland  
Phone.: +358 20 7188 580 -  
Fax: +358 20 7188 599  
maston@maston.fi  
www.maston.fi
- 1.4 Emergency telephone number:** Myrkytystietokeskus (Giftinformationcentralen) PL 340,  
00029 HUS, FINLAND, +358 (0) 9 471977

**SECTION 2: HAZARDS IDENTIFICATION**

- 2.1 Classification of the substance or mixture:**  
**Directive 67/548/EC and Directive 1999/45/EC:**  
This product was classified in accordance with Directive 67/548/EC and Directive 1999/45/EC, adapting the requirements to Regulation (EC) n°1907/2006 (REACH regulation).  
F+: R12 - Extremely flammable  
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R66 - Repeated exposure may cause skin dryness or cracking  
R67 - Vapours may cause drowsiness and dizziness
- CLP Regulation (EC) n° 1272/2008:**  
Classification of this product has been carried out in accordance with CLP Regulation (EC) n° 1272/2008.  
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3  
Flam. Aerosol 1: Flammable aerosols, Category 1  
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3
- 2.2 Label elements:**  
**CLP Regulation (EC) n° 1272/2008:**  
**Danger**
-  
- Hazard indications:**  
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects  
Flam. Aerosol 1: H222 - Extremely flammable aerosol  
STOT SE 3: H336 - May cause drowsiness or dizziness
- Cautionary advice:**  
P102: Keep out of reach of children  
P210: Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
P211: Do not spray on an open flame or other ignition source  
P251: Pressurized container: Do not pierce or burn, even after use  
P260: Do not breathe dust/fume/gas/mist/vapours/spray  
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F
- Supplementary information:**  
2.2: 94/1/EC—Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use  
2.3: 2008/47/EC—Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children  
EUH066: Repeated exposure may cause skin dryness or cracking

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**SECTION 2: HAZARDS IDENTIFICATION (continue)**

**Substances that contribute to the classification**

2-butanone; Butyl Acetate

**2.3 Other hazards:**

Non-applicable

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical description:** Aerosol

**Components:**

In accordance with Annex II of Regulation (EC) n°1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 115-10-6 EC: 204-065-8 Index: 603-019-00-8 REACH:01-2119472128-33-XXXX	<b>Dimethyl ether</b> ATP CLP00	10 - <25 %
	Directive 67/548/EC F+: R12	
	Regulation 1272/2008 Flam. Gas 1: H220; Press. Gas: H280 - Danger	
CAS: 64742-49-0 EC: 265-151-9 Index: 649-328-00-1 REACH:01-2119475133-33-XXXX	<b>Naphtha (petroleum), &lt; 0.1 % EC 200-753-7</b> ATP ATP01	10 - <25 %
	Directive 67/548/EC F: R11; N: R51/53; Xn: R65	
	Regulation 1272/2008 Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 2: H225 - Danger	
CAS: 64742-48-9 EC: 265-150-3 Index: 649-327-00-6 REACH:01-2119463258-33-XXXX	<b>Naphtha (petroleum), &lt; 0.1 % EC 200-753-7</b> ATP ATP01	10 - <25 %
	Directive 67/548/EC Xn: R65; R10; R66	
	Regulation 1272/2008 Asp. Tox. 1: H304; Flam. Liq. 3: H226 - Danger	
CAS: 123-86-4 EC: 204-658-1 Index: 607-025-00-1 REACH:01-2119485493-29-XXXX	<b>Butyl Acetate</b> ATP CLP00	10 - <25 %
	Directive 67/548/EC R10; R66; R67	
	Regulation 1272/2008 Flam. Liq. 3: H226; STOT SE 3: H336 - Warning	
CAS: 106-97-8 EC: 203-448-7 Index: 601-004-00-0 REACH:01-2119474691-33-XXXX	<b>Butane</b> ATP CLP00	10 - <25 %
	Directive 67/548/EC F+: R12	
	Regulation 1272/2008 Flam. Gas 1: H220; Press. Gas: H280 - Danger	
CAS: 1330-20-7 EC: 215-535-7 Index: 601-022-00-9 REACH:01-2119488216-32-XXXX	<b>Xylene (mixture of isomers)</b> ATP CLP00	2.5 - <10 %
	Directive 67/548/EC Xi: R38; Xn: R20/21; R10	
	Regulation 1272/2008 Acute Tox. 4: H312+H332; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning	
CAS: 74-98-6 EC: 200-827-9 Index: 601-003-00-5 REACH:01-2119486944-21-XXXX	<b>Propane</b> ATP CLP00	2.5 - <10 %
	Directive 67/548/EC F+: R12	
	Regulation 1272/2008 Flam. Gas 1: H220; Press. Gas: H280 - Danger	
CAS: 78-93-3 EC: 201-159-0 Index: 606-002-00-3 REACH:01-2119457290-43-XXXX	<b>2-butanone</b> ATP CLP00	2.5 - <10 %
	Directive 67/548/EC F: R11; Xi: R36; R66; R67	
	Regulation 1272/2008 Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger	

To obtain more information on the risk of the substances consult sections 8, 11, 12 and 16.

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the MSDS of this product.

**By inhalation:**

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

**By skin contact:**

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

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**3****SECTION 4: FIRST AID MEASURES (continue)****By eye contact:**

Rinse eyes thoroughly with luke warm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the MSDS of the product.

**By consumption:**

Do not induce vomiting, but if it does happen keep the head up to avoid inhalation. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

**4.2 Most important symptoms and effects, both acute and delayed:**

Acute and delayed effects are indicated in sections 2 and 11.

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

Non-applicable

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media:**

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO<sub>2</sub>). IT IS RECOMMENDED NOT to use tap water as an extinguishing agent.

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

Contains substances that may result in explosion caused by heat. In case of fire follow the instructions on the Internal Emergency Plan.

**5.3 Advice for firefighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inertizing agent. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

**6.2 Environmental precautions:**

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

**6.3 Methods and material for containment and cleaning up:**

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**6.4 Reference to other sections:**

See sections 8 and 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling:**

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**SECTION 7: HANDLING AND STORAGE (continue)**

**A.- Precautions for safe manipulation**

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

**B.- Technical recommendations for the prevention of fires and explosions**

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 94/9/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

**C.- Technical recommendations to prevent ergonomic and toxicological risks**

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

**D.- Technical recommendations to prevent environmental risks**

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

**7.2 Conditions for safe storage, including any incompatibilities:**

**A.- Technical measures for storage**

Minimum Temp.: 5 °C  
Maximum Temp.: 50 °C  
Maximum time: 36 Months

**B.- General conditions for storage**

Avoid sources of heat, radiation, static electricity and contact with food

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the work environment

Identification	Environmental limits		
	IOELV (8h)	IOELV (STEL)	Year
Dimethyl ether CAS: 115-10-6 EC: 204-065-8	1000 ppm	1920 mg/m <sup>3</sup>	
			2012
Xylene (mixture of isomers) CAS: 1330-20-7 EC: 215-535-7	50 ppm	221 mg/m <sup>3</sup>	
	100 ppm	442 mg/m <sup>3</sup>	
			2012
2-butanone CAS: 78-93-3 EC: 201-159-0	200 ppm	600 mg/m <sup>3</sup>	
	300 ppm	900 mg/m <sup>3</sup>	
			2012

**8.2 Exposure controls:**

**A.- General security and hygiene measures in the work place**

In accordance with the order of importance to control professional exposure (Directive 98/24/EC) it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the professional exposure limits. In case of using individual protection equipment they should have the "CE marking" in accordance with Directive 89/686/EC. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

**B.- Respiratory protection**

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)**

The use of protection equipment will be necessary if a mist forms or if the professional exposure limits are exceeded.

C.- Specific protection for the hands

Non-applicable

D.- Ocular and facial protection

Non-applicable

E.- Bodily protection

Non-applicable

F.- Additional emergency measures

It is not necessary to take additional emergency measures.

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**Volatil organic compounds:**

With regard to Directive 1999/13/EC, this product has the following characteristics:

V.O.C. (Supply):	90 % weight
V.O.C. density at 20 °C:	Non-applicable
Average carbon number:	7.06
Average molecular weight:	109.48 g/mol

With regard to Directive 2004/42/EC, this product which is ready to use has the following characteristics:

V.O.C. density at 20 °C:	Non-applicable
EULimit for the product (Cat. B.E):	840 g/L (2010)
Components:	Non-applicable

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

**Appearance:**

Physical state at 20 °C:	Aerosol
Appearance:	Not available
Color:	Not available
Odor:	Not available

**Volatility:**

Boiling point at atmospheric pressure:	-42 °C (Propellant)
Vapour pressure at 20 °C:	379969 Pa
Vapour pressure at 50 °C:	<300000 Pa (300 kPa)
Evaporation rate at 20 °C:	Non-applicable *

**Product description:**

Density at 20 °C:	Non-applicable *
Relative density at 20 °C:	Non-applicable *
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *

\*Not relevant due to the nature of the product, not providing information property of its hazards.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continue)**

pH: Non-applicable \*  
Vapour density at 20 °C: Non-applicable \*  
Partition coefficient n-octanol/water 20 °C: Non-applicable \*  
Solubility in water at 20 °C: Non-applicable \*  
Solubility property: Non-applicable \*  
Decomposition temperature: Non-applicable \*  
Recipient pressure: Non-applicable \*

**Flammability:**

Flash Point: -104 °C (Propellant)  
Autoignition temperature: 410 °C (Propellant)  
Lower flammability limit: 1.2 % Volume  
Upper flammability limit: 14 % Volume

**9.2 Other information:**

Surface tension at 20 °C: Non-applicable \*  
Refraction index: Non-applicable \*

\*Not relevant due to the nature of the product, not providing information property of its hazards.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity:**

No hazardous reactions are expected if the following technical instructions storage of chemicals. See section 7.

**10.2 Chemical stability:**

Chemically stable under the conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the conditions no hazardous reactions are expected to produce a pressure or excessive temperatures.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

**10.5 Incompatible materials:**

Acids	Water	Combustive materials	Combustible materials	Others
Not applicable	Not applicable	Avoid direct impact	Avoid direct impact	Not applicable

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects:**

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. With possibility of effects that are hazardous to the health, it is recommended not to breathe the vapours for long periods of time.

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A.- Ingestion:

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**SECTION 11: TOXICOLOGICAL INFORMATION (continue)**

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3.

**B- Inhalation:**

Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for inhalation. For more information see section 3.

**C- Contact with the skin and the eyes:**

Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for skin contact. For more information see section 3.

**D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):**

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

**E- Sensitizing effects:**

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensibilizing effects. For more information see section 3.

**F- Specific target organ toxicity (STOT)-time exposure:**

Exposure in high concentrations can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion and in serious cases, loss of concentration.

**G- Specific target organ toxicity (STOT)-repeated exposure:**

Repeated exposure may cause skin dryness or cracking

**H- Aspiration hazard:**

Based on available data, the classification criteria are not met, however it does contain substances classified as dangerous for this effect. For more information see section 3.

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
2-butanone CAS: 78-93-3 EC: 201-159-0	LD50 oral	4000 mg/kg	Rat
	LD50 dermal	6400 mg/kg	Rabbit
	LC50 inhalation	23.5 mg/L (4 h)	Rat
Naphtha (petroleum), < 0.1 % EC 200-753-7 CAS: 64742-49-0 EC: 265-151-9	LD50 oral	5000 mg/kg	Rat
	LD50 dermal	3160 mg/kg	Rabbit
	LC50 inhalation	12 mg/L (4 h)	Rat
Xylene (mixture of isomers) CAS: 1330-20-7 EC: 215-535-7	LD50 oral	2100 mg/kg	Rat
	LD50 dermal	1100 mg/kg	Rat
	LC50 inhalation	11 mg/L (4 h)	Rat
Naphtha (petroleum), < 0.1 % EC 200-753-7 CAS: 64742-48-9 EC: 265-150-3	LD50 oral	15000 mg/kg	Rat
	LD50 dermal	3160 mg/kg	Rabbit
	LC50 inhalation	Non-applicable	
Butane CAS: 106-97-8 EC: 203-448-7	LD50 oral	Non-applicable	
	LD50 dermal	Non-applicable	
	LC50 inhalation	658 mg/L (4 h)	Rat
Dimethyl ether CAS: 115-10-6 EC: 204-065-8	LD50 oral	Non-applicable	
	LD50 dermal	Non-applicable	
	LC50 inhalation	308.5 mg/L (4 h)	Rat

**SECTION 12: ECOLOGICAL INFORMATION**

The experimental information related to the ecotoxicological properties of the mixture itself is not available

**12.1 Toxicity:**

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**SECTION 12: ECOLOGICAL INFORMATION (continue)**

Identification	Acute toxicity		Specie	Genus
	LC50	Non-applicable		
Naphtha (petroleum), < 0.1 % EC 200-753-7 CAS: 64742-49-0 EC: 265-151-9	LC50	Non-applicable		
	EC50	4.3 mg/L (96 h)	Crangon crangon	Crustacean
	EC50	Non-applicable		
Butyl Acetate CAS: 123-86-4 EC: 204-658-1	LC50	62 mg/L (96 h)	Leuciscus idus	Fish
	EC50	73 mg/L (24 h)	Daphnia magna	Crustacean
	EC50	675 mg/L (72 h)	Scenedesmus subspicatus	Alga
Xylene (mixture of isomers) CAS: 1330-20-7 EC: 215-535-7	LC50	13.5 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	0.6 mg/L (96 h)	Gammarus lacustris	Crustacean
	EC50	10 mg/L (72 h)	Skeletonema costatum	Alga
2-butanone CAS: 78-93-3 EC: 201-159-0	LC50	3220 mg/L (96 h)	Pimephales promelas	Fish
	EC50	5091 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	4300 mg/L (168 h)	Scenedesmus quadricauda	Alga

**12.2 Persistence and degradability:**

Identification	Degradability		Biodegradability	
	BOD5	Non-applicable	Concentration	Non-applicable
Butyl Acetate CAS: 123-86-4 EC: 204-658-1	Code	Non-applicable	Period	5 days
	BOD5/COD	0.79	% Biodegradable	84 %
	BOD5	2.03 g O2/g	Concentration	Non-applicable
2-butanone CAS: 78-93-3 EC: 201-159-0	Code	2.31 g O2/g	Period	20 days
	BOD5/COD	0.88	% Biodegradable	89 %
	BOD5	2.03 g O2/g	Concentration	Non-applicable

**12.3 Bioaccumulative potential:**

Identification	Bioaccumulation potential	
	BCF	380
Naphtha (petroleum), < 0.1 % EC 200-753-7 CAS: 64742-49-0 EC: 265-151-9	Pow Log	3.7
	Potential	High
	BCF	4
Butyl Acetate CAS: 123-86-4 EC: 204-658-1	Pow Log	1.78
	Potential	Low
	BCF	33
Butane CAS: 106-97-8 EC: 203-448-7	Pow Log	2.89
	Potential	Moderate
	BCF	9
Xylene (mixture of isomers) CAS: 1330-20-7 EC: 215-535-7	Pow Log	2.77
	Potential	Low
	BCF	13
Propane CAS: 74-98-6 EC: 200-827-9	Pow Log	2.86
	Potential	Low
	BCF	3
2-butanone CAS: 78-93-3 EC: 201-159-0	Pow Log	0.29
	Potential	Low

**12.4 Mobility in soil:**

Identification	Absorption/desorption		Volatility	
	Koc	Non-applicable	Henry	Non-applicable
Dimethyl ether CAS: 115-10-6 EC: 204-065-8	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	11360 N/m (25 °C)	Moist soil	Non-applicable
	Koc	Non-applicable	Henry	Non-applicable
Butyl Acetate CAS: 123-86-4 EC: 204-658-1	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	24780 N/m (25 °C)	Moist soil	Non-applicable

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**SECTION 12: ECOLOGICAL INFORMATION (continue)**

Identification	Absorption/desorption		Volatility	
Butane CAS: 106-97-8 EC: 203-448-7	Koc	900	Henry	9.626E+4 Pa·m <sup>3</sup> /mol
	Conclusion	Low	Dry soil	Yes
	Surface tension	11870 N/m (25 °C)	Moist soil	Yes
Xylene (mixture of isomers) CAS: 1330-20-7 EC: 215-535-7	Koc	202	Henry	5.249E+2 Pa·m <sup>3</sup> /mol
	Conclusion	Moderate	Dry soil	Yes
	Surface tension	Non-applicable	Moist soil	Yes
Propane CAS: 74-98-6 EC: 200-827-9	Koc	460	Henry	7.164E+4 Pa·m <sup>3</sup> /mol
	Conclusion	Moderate	Dry soil	Yes
	Surface tension	7020 N/m (25 °C)	Moist soil	Yes
2-butanone CAS: 78-93-3 EC: 201-159-0	Koc	30	Henry	5.765E+0 Pa·m <sup>3</sup> /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	23960 N/m (25 °C)	Moist soil	Yes

**12.5 Results of PBT and vPvB assessment:**

Non-applicable

**12.6 Other adverse effects:**

Not described

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods:**

Code	Description	Waste class (Directive 2008/98/EC)
16 05 04*	Gases in pressure containers (including halons) containing dangerous substances	Dangerous

**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2000/532/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

**Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) n°1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2000/532/EC: Commission Decision of 3 May 2000

**SECTION 14: TRANSPORT INFORMATION**

**Transport of dangerous goods by land:**

With regard to ADR 2013 and RID 2013:

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**SECTION 14: TRANSPORT INFORMATION (continue)**



- 14.1 UN number:** UN1950
- 14.2 UN proper shipping name:** AEROSOLS, flammable
- 14.3 Transport hazard class(es):** 2  
Labels: 2.1
- 14.4 Packing group:** N/A
- 14.5 Dangerous for the environment:** No
- 14.6 Special precautions for user**  
Special regulations: 190, 327, 625  
Tunnel restriction code: D  
Physico-Chemical properties: see section 9  
Limited quantities: 1 L
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Non-applicable

**Transport of dangerous goods by sea:**

With regard to IMDG 36-12:



- 14.1 UN number:** UN1950
- 14.2 UN proper shipping name:** AEROSOLS, flammable
- 14.3 Transport hazard class(es):** 2  
Labels: 2.1
- 14.4 Packing group:** N/A
- 14.5 Dangerous for the environment:** No
- 14.6 Special precautions for user**  
Special regulations:  
EmS Codes: F-D, S-U  
Physico-Chemical properties: see section 9  
Limited quantities: 1 L
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Non-applicable

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2014:



- 14.1 UN number:** UN1950
- 14.2 UN proper shipping name:** AEROSOLS, flammable
- 14.3 Transport hazard class(es):** 2  
Labels: 2.1
- 14.4 Packing group:** N/A
- 14.5 Dangerous for the environment:** No
- 14.6 Special precautions for user**  
Physico-Chemical properties: see section 9
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Non-applicable

**SECTION 15: REGULATORY INFORMATION**

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

Candidate substances for authorisation under the Regulation (EC) 1907/2006 (REACH): Non-applicable  
Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable  
Active substances for which a decision of non-inclusion onto Annex I (Regulation (EU) No 528/2012): Non-applicable

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**MSDS - Rubber Comp Spray**  
**19**  
**Rubber Comp Aerosol**  
**3**

**SECTION 15: REGULATORY INFORMATION (continue)**

Regulation (EC) 689/2008, in relation to the import and export of hazardous chemical products: Non-applicable

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII, REACH):**

Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:

- metallic glitter intended mainly for decoration,
- artificial snow and frost,
- "whoopee" cushions,
- silly string aerosols,
- imitation excrement,
- horns for parties,
- decorative flakes and foams,
- artificial cobwebs,
- stink bombs.

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

**Other legislation:**

Non-applicable

- Council Directive 75/324/EEC of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers
- Commission Directive 94/1/EC of 6 January 1994 adapting some technicalities of Council Directive 75/324/EEC on the approximation of the laws of the relating Member States to aerosol dispensers
- Commission Directive 2008/47/EC of 8 April 2008 amending, for the purposes of adapting to technical progress, Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

**SECTION 16: OTHER INFORMATION**

**Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) N° 1907/2006 (Regulation (EC) N° 453/2010)

**Modifications related to the previous security card which concerns the ways of managing risks. :**

CLP Regulation (EC) n° 1272/2008:

- Cautionary advice

**Text of R-phrases considered in section 3:**

**Directive 67/548/EC and Directive 1999/45/EC:**

- R10: Flammable
- R11: Highly flammable
- R12: Extremely flammable
- R20/21: Harmful by inhalation and in contact with skin
- R36: Irritating to eyes
- R38: Irritating to skin
- 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

**CLP Regulation (EC) n° 1272/2008:**

- CONTINUED ON NEXT PAGE -

**MSDS - Rubber Comp Spray**  
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**SECTION 16: OTHER INFORMATION (continue)**

Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled  
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects  
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways  
Eye Irrit. 2: H319 - Causes serious eye irritation  
Flam. Gas 1: H220 - Extremely flammable gas  
Flam. Liq. 2: H225 - Highly flammable liquid and vapour  
Flam. Liq. 3: H226 - Flammable liquid and vapour  
Press. Gas: H280 - Contains gas under pressure, may explode if heated  
Skin Irrit. 2: H315 - Causes skin irritation  
STOT SE 3: H336 - May cause drowsiness or dizziness

**Advice related to training:**

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

<http://esis.jrc.ec.europa.eu>  
<http://echa.europa.eu>  
<http://eur-lex.europa.eu>

**Abbreviations and acronyms:**

- ADR: European agreement concerning the international carriage of dangerous goods by road
- IMDG: International maritime dangerous goods code
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organisation
- COD: Chemical Oxygen Demand
- BOD5: 5-day biochemical oxygen demand
- BCF: Bioconcentration factor
- LD50: Lethal Dose 50
- CL50: Lethal Concentration 50
- EC50: Effective concentration 50
- Log-POW: Octanol–water partition coefficient
- Koc: Partition coefficient of organic carbon

The information contained in this security data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this security data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -