

SECT	ION 1: IDENTIFICATION OF THE S	UBSTANCE/MIXT	URE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifier:	Maston - Airspray - 400002, 3140022	Puhallus Spray
1.2	Relevant identified uses of the subs	tance or mixture	and uses advised against:
	Relevant uses: Cleaner		
	Uses advised against: All uses not specif	ied 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)9471977

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

CLP Regulation (EC) nº 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) nº 1272/2008.

Aerosol 1: Pressurised container: May burst if heated., H229

Aerosol 1: Flammable aerosols, Category 1, H222

2.2 Label elements:

CLP Regulation (EC) nº 1272/2008:

Danger



Hazard statements:

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

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 dust/fume/gas/mist/vapours/spray
- P410+P412: Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122°F

2.3 Other hazards:

Non-applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aerosol

Components:

In accordance with Annex II of Regulation (EC) nº1907/2006 (point 3), the product contains:

	Identification		Chemical name/Classification		Concentration
	811-97-2	Norflurane		Self-classified	
Index:	212-377-0 Non-applicable : Non-applicable	Regulation 1272/2008	Press. Gas: H280 - Warning	Ì	50 - <100 %



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continue)

	Identification		Chemical name/Classification		Concentration
	106-97-8	Butane		ATP CLP00	
Index:	203-448-7 601-004-00-0 01-2119474691-32-XXXX	Regulation 1272/2008	Flam. Gas 1: H220; Press. Gas: H280 - Danger	۲	20 - <25 %
CAS:	74-98-6	Propane		ATP CLP00	
EC: 200-827-9 index: 601-003-00-5 REACH: 01-2119486944-21-XXXX		Regulation 1272/2008	Flam. Gas 1: H220; Press. Gas: H280 - Danger	٢	15 - <20 %

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 SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of modifications on the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety data Sheet

By eye contact:

This product does not contain substances classified as hazardous for eye contact. Rinse eyes thoroughly for at least 15 minutes with lukewarm water, ensuring that the person affected does not rub or close their eyes.

By ingestion/aspiration:

In case of consumption, seek immediate medical assistance showing the SDS of this product.

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 (CO2). IT IS RECOMMENDED NOT to use tap water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

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:



SECTION 6: ACCIDENTAL RELEASE MEASURES (continue)

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

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:

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

Product is non-flammable under normal conditions of storage, manipulation and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on 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

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.:5 °CMaximun Temp.:50 °CMaximum time:36 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

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

There are no environmental limits for the substances contained in the product

8.2 Exposure controls:

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

As a preventative measure it is recommended to use basic Personal Protection Equipment, with the corresponding <<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 more 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.



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

B.- Respiratory protection

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

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	37,67 % weight
V.O.C. density at 20 °C:	280 kg/m ³ (280 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	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:	-1 °C (Propellant)			
	Vapour pressure at 20 °C:	359970 Pa			
	Vapour pressure at 50 °C:	759938 Pa (760 kPa)			
	Evaporation rate at 20 °C:	Non-applicable *			
	Product description:				
	Density at 20 °C:	743 kg/m³			
	Relative density at 20 °C:	0,74			
	Dynamic viscosity at 20 °C:	Non-applicable *			
	Kinematic viscosity at 20 °C:	Non-applicable *			
	Kinematic viscosity at 40 °C:	Non-applicable *			
	Concentration:	Non-applicable *			
	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 *			
	*Not relevant due to the nature of the product, not providing info	ormation property of its hazards.			



SECTION 9: PHYSICAL AND CHEMICAL P	ROPERTIES (continue)
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Recipient pressure:	359970 Pa (3,6 bar)
Flammability:	
Flash Point:	-60 °C (Propellant)
Autoignition temperature:	365 °C (Propellant)
Lower flammability limit:	0,8 % Volume
Upper flammability limit:	12 % 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, no	t 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 specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

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	Not applicable	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 (CO2), 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

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:

- Acute toxicity: 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.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- B- Inhalation:



SECTION 11: TOXICOLOGICAL INFORMATION (continue)

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- C- Contact with the skin and the eyes:
 - Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for skin contact. For more information see section 3.
 - Contact with the eyes: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: 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.
 - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
 - Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- E- Sensitizing effects:
 - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensibilizising effects. For more information see section 3.
 - Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- F- Specific target organ toxicity (STOT)-time exposure:
 - Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- G- Specific target organ toxicity (STOT)-repeated exposure:
 - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not 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
Butane	LD50 oral	Non-applicable	
CAS: 106-97-8	LD50 dermal	Non-applicable	
EC: 203-448-7	LC50 inhalation	658 mg/L (4 h)	Rat

SECTION 12: ECOLOGICAL INFORMATION

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

12.1 Toxicity:

Not available

12.2 Persistence and degradability:

Not available

12.3 Bioaccumulative potential:

Ident	tification	Bioaccumulation potential	
Butane		BCF	33
CAS: 106-97-8		Pow Log	2,89
EC: 203-448-7		Potential	Moderate



SECTION 12: ECOLOGICAL INFORMATION (continue)

Identification		oaccumulation potential
Propane	BCF	13
CAS: 74-98-6	Pow Log	2,86
EC: 200-827-9	Potential	Low

12.4 Mobility in soil:

Identification	Absorp	Absorption/desorption		tility
Butane	Кос	900	Henry	9,626E+4 Pa·m ³ /mol
CAS: 106-97-8	Conclusion	Low	Dry soil	Yes
EC: 203-448-7	Surface tension	11870 N/m (25 °C)	Moist soil	Yes
Propane	Кос	460	Henry	7,164E+4 Pa·m ³ /mol
CAS: 74-98-6	Conclusion	Moderate	Dry soil	Yes
EC: 200-827-9	Surface tension	7020 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 (Regulation (EU) No 1357/2014)
16 05 04*	Gases in pressure containers (including halons) containing dangerous substances	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP3 Flammable

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 (2014/955/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) $n^{0}1907/2006$ (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2015 and RID 2015:



SECTION 14: TRANSPORT	INFORMATION (continue)	
▲	UN number:	UN1950
	UN proper shipping name:	AEROSOLS, flammable
14.3	Transport hazard class(es): Labels:	2 2.1
	Packing group:	N/A
V 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	Non-applicable
	to Annex II of Marpol and	
	the IBC Code:	
Transport of dangero	ous goods by sea:	
With regard to IMDG 37	7-14:	
14.1	UN number:	UN1950
14.2	UN proper shipping name:	AEROSOLS, flammable
	Transport hazard class(es):	2
	Labels:	2.1
14.4	Packing group:	N/A
2 14.5	Dangerous for the environment:	No
14.6	Special precautions for user	
	Special regulations:	Non-applicable
	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 and the IBC Code:	Non-applicable
Transport of dangero		
With regard to IATA/IC	• ,	
	UN number:	UN1950
	UN proper shipping name:	AEROSOLS, flammable
	Transport hazard class(es):	
	Labels:	2.1
2/ 14.4	Packing group:	N/A
V	Dangerous for the	No
	environment:	
14.6	Special precautions for user	
	Physico-Chemical properties:	see section 9
14.7	Transport in bulk according to Annex II of Marpol 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 Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: 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 REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable



SECTION 15: REGULATORY INFORMATION (continue)

Regulation (EC) nº648/2004 on detergents:

In accordance with this regulation the product complies with the following:

Contents labelled:

Component	Concentration interval
Halogenated hydrocarbons	% (w/w) >= 30
Aliphatic hydrocarbons	% (w/w) >= 30

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

Non-applicable

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:

The product could be affected by sectorial legislation

Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents

Commission Regulation (EC) No 907/2006 of 20 June 2006 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes III and VII

Commission Regulation (EC) No 551/2009 of 25 June 2009 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes V and VI thereto (surfactant derogation)

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

Commission Directive 2013/10/EU of 19 March 2013 amending Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

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) Nº 1907/2006 (Regulation (EU) Nº 453/2010, Regulation (EC) Nº 2015/830)

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

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H229: Pressurised container: May burst if heated

H222: Extremely flammable aerosol

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) nº 1272/2008:

Flam. Gas 1: H220 - Extremely flammable gas

Press. Gas: H280 - Contains gas under pressure, may explode if heated

Classification procedure:

Aerosol 1: Calculation method

Aerosol 1: Calculation method

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:



SECTION 16: OTHER INFORMATION (continue)

http://esis.jrc.ec.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 -EC50: Effective concentration 50 -Log-POW: Octanol–water partition coefficient

-Koc: Partition coefficient of organic carbon

The information contained in this safety 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 safety data sheet only refers to this product, which should not be used for needs other than those specified.

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