



## Sample Floristics Silver Spray 400 ml



Version 2.5      Revision Date: 17.06.2015      MSDS Number: 102000021904      Print Date: 20.11.2018  
Date of first issue: 07.05.2014

---

Dangerous for the environment      ness.  
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :  

Signal word : Danger

Hazard statements : H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.

Supplemental Hazard Statements : EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
**Prevention:**  
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.  
P271 Use only outdoors or in a well-ventilated area.  
**Storage:**  
P405 Store locked up.  
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

67-64-1 acetone  
64742-95-6 solvent naphtha (petroleum), light arom.  
92045-53-9 naphtha (petroleum), hydrodesulfurized light, dearomatized

## Sample Floristics Silver Spray 400 ml

Version 2.5      Revision Date: 17.06.2015      MSDS Number: 102000021904      Print Date: 20.11.2018  
Date of first issue: 07.05.2014

1330-20-7      xylene  
123-86-4      n-butyl acetate  
64742-49-0      low boiling point hydrogen treated naphtha

### Additional Labelling:

EUH208      Contains Orange, sweet, ext.. May produce an allergic reaction.

### 2.3 Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
propane	74-98-6 200-827-9	F+; R12	Flam. Gas 1; H220 Press. Gas C; H280	>= 20 - < 25
butane	106-97-8 203-448-7	F+; R12	Flam. Gas 1; H220 Press. Gas C; H280	>= 20 - < 25
acetone	67-64-1 200-662-2 01-2119471330-49	F; R11 Xi; R36 R66 R67	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	>= 15 - < 20
solvent naphtha (petroleum), light arom.	64742-95-6 265-199-0 01-2119455851-35	Xn; R65 Xi; R37 N; R51/53 R10 R66 R67	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H335, H336 Aquatic Chronic 2; H411	>= 2.5 - < 10
naphtha (petrole- um), hydrodesulfu- rized light, dearomatized	92045-53-9 295-434-2	Xn; R65 F-Xn-N; R11- R67-R38-R65- R51/53	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	>= 2.5 - < 5
xylene	1330-20-7 215-535-7	R10 Xn; R20/21 Xi; R38	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 STOT RE 2; H373	>= 1 - < 5

**Sample Floristics Silver Spray 400 ml**

Version 2.5      Revision Date: 17.06.2015      MSDS Number: 102000021904      Print Date: 20.11.2018  
Date of first issue: 07.05.2014

aluminium powder (stabilised)	7429-90-5 231-072-3 01-2119529243-45	F; R11	Asp. Tox. 1; H304 Flam. Sol. 1; H228	< 10
n-butyl acetate	123-86-4 204-658-1 01-2119485493-29	R10 R66 R67	Flam. Liq. 3; H226 STOT SE 3; H336	< 10
low boiling point hydrogen treated naphtha	64742-49-0 265-151-9	Xn; R65 F; R11 N; R51/53 R66 R67	Flam. Liq. 2; H225 Asp. Tox. 1; H304 STOT SE 3; H336 Aquatic Chronic 2; H411	>= 2.5 - < 10
low boiling point hydrogen treated naphtha	64742-48-9 265-150-3	Xn; R65	Asp. Tox. 1; H304	>= 1 - < 10
Orange, sweet, ext.	8028-48-6 232-433-8 01-2119493353-35	Xn; Xn; R65 Xi; Xi; R38 Xi; Xi; R43 N; N; R50/53 F; R10	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Aquatic Acute 1; H400 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 1; H410	>= 0.25 - < 1

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

For explanation of abbreviations see section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.
- If inhaled : Consult a physician after significant exposure.  
If unconscious place in recovery position and seek medical advice.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.

## Sample Floristics Silver Spray 400 ml

Version	Revision Date:	MSDS Number:	Print Date: 20.11.2018
2.5	17.06.2015	102000021904	Date of first issue: 07.05.2014

---

If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

This information is not available.

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

This information is not available.

---

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Dry sand  
Carbon dioxide (CO<sub>2</sub>)  
Alcohol-resistant foam  
ABC powder

Unsuitable extinguishing media : High volume water jet

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

Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

---

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Avoid breathing dust.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

---

## Sample Floristics Silver Spray 400 ml

Version	Revision Date:	MSDS Number:	Print Date: 20.11.2018
2.5	17.06.2015	102000021904	Date of first issue: 07.05.2014

---

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Pick up and transfer to properly labelled containers.

### 6.4 Reference to other sections

This information is not available.

---

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.  
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures : When using do not eat or drink. When using do not smoke.  
Wash hands before breaks and at the end of workday.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Other data : No decomposition if stored and applied as directed.

## Sample Floristics Silver Spray 400 ml

Version 2.5      Revision Date: 17.06.2015      MSDS Number: 102000021904      Print Date: 20.11.2018  
Date of first issue: 07.05.2014

### 7.3 Specific end use(s)

This information is not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
butane	106-97-8	STEL	750 ppm 1,810 mg/m <sup>3</sup>	GB EH40
Further information	Capable of causing cancer and/or heritable genetic damage. The identified substances include those which: - are assigned the risk phrases 'R45: May cause cancer'; 'R46: may cause heritable genetic damage'; 'R49: May cause cancer by inhalation' or - a substance or process listed in Schedule 1 of COSHH., Carcinogenic only applies if butane contains more than 0.1% of buta-1,3-diene			
		TWA	600 ppm 1,450 mg/m <sup>3</sup>	GB EH40
Further information	Capable of causing cancer and/or heritable genetic damage. The identified substances include those which: - are assigned the risk phrases 'R45: May cause cancer'; 'R46: may cause heritable genetic damage'; 'R49: May cause cancer by inhalation' or - a substance or process listed in Schedule 1 of COSHH., Carcinogenic only applies if butane contains more than 0.1% of buta-1,3-diene			
acetone	67-64-1	TWA	500 ppm 1,210 mg/m <sup>3</sup>	2000/39/EC
Further information	Indicative			
		TWA	500 ppm 1,210 mg/m <sup>3</sup>	GB EH40
		STEL	1,500 ppm 3,620 mg/m <sup>3</sup>	GB EH40
xylene	1330-20-7	TWA	50 ppm 220 mg/m <sup>3</sup>	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	100 ppm 441 mg/m <sup>3</sup>	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		TWA	50 ppm 221 mg/m <sup>3</sup>	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	100 ppm 442 mg/m <sup>3</sup>	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
aluminium powder (stabilised)	7429-90-5	TWA (Inhalable)	10 mg/m <sup>3</sup>	GB EH40
Further information	The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m <sup>-3</sup> 8-hour TWA of inhalable dust or 4 mg.m <sup>-3</sup> 8-hour TWA of respirable			



## Sample Floristics Silver Spray 400 ml

Version 2.5      Revision Date: 17.06.2015      MSDS Number: 102000021904      Print Date: 20.11.2018  
Date of first issue: 07.05.2014

	dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used			
		TWA (Respirable)	4 mg/m3	GB EH40
Further information	The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m-3 8-hour TWA of inhalable dust or 4 mg.m-3 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used			
		TWA (Inhalable)	10 mg/m3	GB EH40
Further information	For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust, The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m-3 8-hour TWA of inhalable dust or 4 mg.m-3 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit., Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/3., Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used			
		TWA (Respirable)	4 mg/m3	GB EH40
Further information	For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust, The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m-3 8-hour TWA of inhalable dust or 4 mg.m-3 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit., Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable'			



## Sample Floristics Silver Spray 400 ml

Version 2.5      Revision Date: 17.06.2015      MSDS Number: 102000021904      Print Date: 20.11.2018  
Date of first issue: 07.05.2014

	ble' and 'respirable'. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/3., Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used			
n-butyl acetate	123-86-4	TWA	150 ppm 724 mg/m <sup>3</sup>	GB EH40
		STEL	200 ppm 966 mg/m <sup>3</sup>	GB EH40

### Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
xylene	1330-20-7	methyl hippuric acid: 650 mmol/mol creatinine (Urine)	Post shift	GB EH40 BAT

### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

acetone (67-64-1) : End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: long term – systemic effects  
Value: 186 mg/kg  
End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: long term – systemic effects  
Value: 1210 mg/m<sup>3</sup>  
End Use: Consumers  
Exposure routes: Ingestion  
Potential health effects: long term – systemic effects  
Value: 62 mg/kg  
End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: long term – systemic effects  
Value: 62 mg/kg  
End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: long term – systemic effects  
Value: 200 mg/m<sup>3</sup>  
End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: short term – local effects  
Value: 2420 mg/m<sup>3</sup>

Solvent naphtha (petroleum), light arom. (64742-95-6) : End Use: Consumers  
Exposure routes: Ingestion  
Potential health effects: long term – systemic effects  
Value: 11 mg/kg  
End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: long term – systemic effects  
Value: 11 mg/kg  
End Use: Consumers

## Sample Floristics Silver Spray 400 ml

Version 2.5      Revision Date: 17.06.2015      MSDS Number: 102000021904      Print Date: 20.11.2018  
Date of first issue: 07.05.2014

---

xylene (1330-20-7)      Exposure routes: Inhalation  
Potential health effects: long term – systemic effects  
Value: 32 mg/m<sup>3</sup>  
: End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: short term – local effects  
Value: 289 mg/m<sup>3</sup>  
End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: short term – systemic effects  
Value: 289 mg/m<sup>3</sup>  
End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: long term – systemic effects  
Value: 77 mg/m<sup>3</sup>  
End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: long term – systemic effects  
Value: 180 mg/kg  
End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: short term – local effects  
Value: 174 mg/m<sup>3</sup>  
End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: short term – systemic effects  
Value: 174 mg/m<sup>3</sup>  
End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: long term – systemic effects  
Value: 108 mg/kg  
End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: long term – systemic effects  
Value: 14.8 mg/m<sup>3</sup>  
End Use: Consumers  
Exposure routes: Ingestion  
Potential health effects: long term – systemic effects  
Value: 1.6 mg/kg  
n-butyl acetate (123-86-4)      : End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: short term – local effects  
Value: 960 mg/m<sup>3</sup>  
End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: short term – systemic effects  
Value: 960 mg/m<sup>3</sup>  
End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: long term – local effects  
Value: 480 mg/m<sup>3</sup>  
End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: long term – systemic effects

## Sample Floristics Silver Spray 400 ml

Version 2.5      Revision Date: 17.06.2015      MSDS Number: 102000021904      Print Date: 20.11.2018  
Date of first issue: 07.05.2014

---

Value: 480 mg/m<sup>3</sup>  
End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: short term – local effects  
Value: 859.7 mg/m<sup>3</sup>  
End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: short term – systemic effects  
Value: 859.7 mg/m<sup>3</sup>  
End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: long term – local effects  
Value: 102.34 mg/m<sup>3</sup>  
End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: long term – systemic effects  
Value: 102.34 mg/m<sup>3</sup>  
Naphtha (petroleum), hydrotreated heavy (64742-48-9) : End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: long term – systemic effects  
Value: 300 mg/kg  
End Use: Consumers  
Exposure routes: Ingestion  
Potential health effects: long term – systemic effects  
Value: 300 mg/kg  
End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: long term – systemic effects  
Value: 300 mg/kg  
End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: long term – systemic effects  
Value: 900 mg/m<sup>3</sup>

**Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:**

acetone (67-64-1) : Soil  
Value: 29.5 mg/kg  
Fresh water  
Value: 10.6 mg/l  
Fresh water sediment  
Value: 30.4 mg/kg  
Marine water  
Value: 1.06 mg/l  
Marine sediment  
Value: 3.04 mg/kg  
STP  
Value: 100 mg/l  
xylene (1330-20-7) : Soil  
Value: 2.31 mg/kg  
Fresh water  
Value: 0.327 mg/l  
Fresh water sediment  
Value: 12.46 mg/kg  
Marine water

## Sample Floristics Silver Spray 400 ml

Version 2.5	Revision Date: 17.06.2015	MSDS Number: 102000021904	Print Date: 20.11.2018 Date of first issue: 07.05.2014
----------------	------------------------------	------------------------------	---

---

n-butyl acetate (123-86-4)	:	Value: 0.327 mg/l Marine sediment
	:	Value: 12.46 mg/kg STP
	:	Value: 6.58 mg/l Soil
	:	Value: 0.0903 mg/kg Fresh water
	:	Value: 0.18 mg/l Fresh water sediment
	:	Value: 0.981 mg/kg STP
	:	Value: 35.6 mg/l Marine water
	:	Value: 0.018 mg/l Marine sediment
	:	Value: 0.0981 mg/kg
	:	
	:	
	:	

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles

Hand protection  
Material : Solvent-resistant gloves (butyl-rubber)

Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). The exact break through time can be obtained from the protective glove producer and this has to be observed. Please observe the instructions regarding permeability and break-through time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Recommended preventive skin protection Skin should be washed after contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.  
In the case of dust or aerosol formation use respirator with an approved filter.

Environmental exposure controls : This information is not available.

## Sample Floristics Silver Spray 400 ml

Version 2.5      Revision Date: 17.06.2015      MSDS Number: 102000021904      Print Date: 20.11.2018  
Date of first issue: 07.05.2014

---

### SECTION 9: Physical and chemical properties

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

Appearance : aerosol  
Colour : No data available  
Odour : characteristic  
Odour Threshold : No data available  
pH : No data available  
Freezing point : No data available  
Boiling point/boiling range : -44 °C

Flash point : -97 °C

Evaporation rate : No data available  
Flammability (solid, gas) : No data available  
Upper explosion limit : No data available  
Lower explosion limit : No data available  
Vapour pressure : No data available  
Relative vapour density : No data available  
Relative density : No data available  
Density : No data available  
Bulk density : No data available  
Water solubility : No data available  
Solubility in other solvents : No data available  
Partition coefficient: n-octanol/water : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Viscosity, dynamic : No data available  
Viscosity, kinematic : No data available  
Flow time : No data available  
Explosive properties : No data available  
Oxidizing properties : No data available

#### 9.2 Other information

No data available

---

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No decomposition if stored and applied as directed.

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : Vapours may form explosive mixture with air.

No decomposition if stored and applied as directed.

#### 10.4 Conditions to avoid



## Sample Floristics Silver Spray 400 ml

Version 2.5      Revision Date: 17.06.2015      MSDS Number: 102000021904      Print Date: 20.11.2018  
Date of first issue: 07.05.2014

---

**7429-90-5:**

Acute inhalation toxicity : LC50 (Rat): > 5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

**64742-48-9:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Acute inhalation toxicity : LC50 (Rat): > 4,951 mg/m3  
Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

### Skin corrosion/irritation

**Product:**

Remarks: May cause skin irritation and/or dermatitis.

**Components:**

**67-64-1:**

Remarks: Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.

### Serious eye damage/eye irritation

**Product:**

Remarks: May cause irreversible eye damage.

**Components:**

**67-64-1:**

Remarks: Severe eye irritation

**1330-20-7:**

Result: Eye irritation

### Respiratory or skin sensitisation

**Components:**

**1330-20-7:**

Assessment: Harmful in contact with skin or if inhaled

### STOT - single exposure

**Components:**

**1330-20-7:**

Assessment: May cause respiratory irritation.

### STOT - repeated exposure

**Components:**

**1330-20-7:**



## Sample Floristics Silver Spray 400 ml

Version 2.5      Revision Date: 17.06.2015      MSDS Number: 102000021904      Print Date: 20.11.2018  
Date of first issue: 07.05.2014

---

Assessment: May cause damage to organs through prolonged or repeated exposure.

**Components:**

**1330-20-7:**

**Aspiration toxicity**

**Components:**

**1330-20-7:**

May be fatal if swallowed and enters airways.

**Further information**

**Product:**

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Concentrations substantially above the TLV value may cause narcotic effects.

Solvents may degrease the skin.

**Components:**

**64742-48-9:**

Remarks: Solvents may degrease the skin.

---

## SECTION 12: Ecological information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

**Components:**

**123-86-4:**

Partition coefficient: n-octanol/water : log Pow: 2.3

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

Not relevant

### 12.6 Other adverse effects

**Product:**

Additional ecological information : Remarks: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life with long lasting effects.

---

## Sample Floristics Silver Spray 400 ml

Version 2.5      Revision Date: 17.06.2015      MSDS Number: 102000021904      Print Date: 20.11.2018  
Date of first issue: 07.05.2014

---

### Components:

#### 64742-48-9:

Additional ecological information : Remarks: No data available

---

## SECTION 13: Disposal considerations

European Waste Catalogue : 16 05 04 - gases in pressure containers (including halons) containing dangerous substances

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

---

## SECTION 14: Transport information

### 14.1 UN number

ADR : UN 1950  
IMDG : UN 1950  
IATA : UN 1950

### 14.2 UN proper shipping name

ADR : AEROSOLS  
IMDG : AEROSOLS  
IATA : Aerosols, flammable

### 14.3 Transport hazard class(es)

ADR : 2.1  
IMDG : 2.1  
IATA : 2.1

### 14.4 Packing group

ADR  
Packing group : Not assigned by regulation  
Classification Code : 5F  
Labels : 2.1  
Tunnel restriction code : (D)

#### IMDG

## Sample Floristics Silver Spray 400 ml

Version 2.5      Revision Date: 17.06.2015      MSDS Number: 102000021904      Print Date: 20.11.2018  
Date of first issue: 07.05.2014

---

Packing group                   : Not assigned by regulation  
Labels                            : 2.1  
EmS Code                         : F-D, S-U

### **IATA**

Packing instruction (cargo aircraft)   : 203  
Packing instruction (passenger aircraft) : 203  
Packing instruction (LQ)               : Y203  
Packing group                   : Not assigned by regulation  
Labels                            : Flammable gas

### **14.5 Environmental hazards**

#### **ADR**

Environmentally hazardous   : no

#### **IMDG**

Marine pollutant               : no

### **14.6 Special precautions for user**

Not applicable

### **14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

---

## **SECTION 15: Regulatory information**

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59)   : Not applicable

### **15.2 Chemical Safety Assessment**

This information is not available.

---

## **SECTION 16: Other information**

### **Full text of R-Phrases**

R10                               : Flammable.  
R11                               : Highly flammable.  
R12                               : Extremely flammable.  
R20/21                          : Harmful by inhalation and in contact with skin.  
R36                               : Irritating to eyes.  
R37                               : Irritating to respiratory system.  
R38                               : Irritating to skin.  
R43                               : May cause sensitisation by skin contact.  
R50/53                          : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R51/53                          : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

---

## Sample Floristics Silver Spray 400 ml

Version 2.5      Revision Date: 17.06.2015      MSDS Number: 102000021904      Print Date: 20.11.2018  
Date of first issue: 07.05.2014

---

R65 : Harmful: may cause lung damage if swallowed.  
R66 : Repeated exposure may cause skin dryness or cracking.  
R67 : Vapours may cause drowsiness and dizziness.

### Full text of H-Statements

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.  
H317 : May cause an allergic skin reaction.  
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.  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.  
H411 : Toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Acute : Acute aquatic toxicity  
Aquatic Chronic : Chronic aquatic toxicity  
Asp. Tox. : Aspiration hazard  
Eye Irrit. : Eye irritation  
Flam. Gas : Flammable gases  
Flam. Liq. : Flammable liquids  
Flam. Sol. : Flammable solids  
Press. Gas : Gases under pressure  
Skin Irrit. : Skin irritation  
Skin Sens. : Skin sensitisation  
STOT RE : Specific target organ toxicity - repeated exposure  
STOT SE : Specific target organ toxicity - single exposure

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

GB / EN