

## Sprayduster 200ml non-flammable

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

#### 1.1 - Product identifier

Trade name/designation: Sprayduster 200ml non-flammable  
Chemical name:  
Product-type: Mixture  
Product code: 723.200  
UFI: R8JJ-U459-020C-DN78

#### 1.2 - Relevant identified uses of the substance or mixture and uses advised against

#### 1.3 - Details of the supplier of the safety data sheet

ECS Cleaning Solutions GmbH Wolfener Str. 32-34 D-12681 Berlin Germany Telephone : +49 (0)30 / 36 46 40 36 gunnar.kleinmann@ecsag.com	ECS AG Roosstrasse 53 CH-8832 Wollerau gunnar.kleinmann@ecsag.com +41 (0)44 / 787 53 56
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#### 1.4 - Emergency telephone number

Germany: Intoxications Information Center; +49 761 19240  
Switzerland: Swiss Toxicological Information Centre; +41 44 251 51 51  
Austria: Intoxication information center; +43 1 406 43 43

### SECTION 2: Hazards identification

#### 2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Aerosol 3	Aerosol - Category 3
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#### 2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word : Warning  
Pictograms : None  
Hazard statements

H229	Pressurised container: May burst if heated
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Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

EUH-phrases : None

Regulation (EC) No. 648/2004 (Detergents regulation)

## Sprayduster 200ml non-flammable

### 2.3 - Other hazards

## SECTION 3: Composition / information on ingredients

### 3.1 - Substances

Not applicable

### 3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
Trans-1,3,3,3-Tetrafluoroprop-1-ene	CAS No. : 29118-24-9 Index No. : EC No. :	> 50 - <= 100	Press. Gas	Not applicable

## SECTION 4: First aid measures

### 4.1 - Description of first aid measures

<u>Following inhalation</u>	- No special measures are necessary. - Provide fresh air.
<u>Following skin contact</u>	- When in doubt or if symptoms are observed, get medical advice.
<u>After eye contact</u>	- Rinse immediately carefully and thoroughly with eye-bath or water. - In case of eye irritation consult an ophthalmologist.

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

<u>Symptoms and effects - Following inhalation</u>	- No information available.
<u>Symptoms and effects - Following skin contact</u>	- No information available.
<u>Symptoms and effects - After eye contact</u>	- No information available.
<u>Symptoms and effects - After ingestion</u>	- No information available.

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

- Treat symptomatically. Antidotal dispensation.

## SECTION 5: Firefighting measures

### 5.1 - Extinguishing media

<u>Suitable extinguishing media</u>	- ABC-powder - Carbon dioxide (CO <sub>2</sub> ) - Foam - Extinguishing powder
<u>Unsuitable extinguishing media</u>	- Full water jet

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

<u>Special hazards arising from the substance or mixture</u>	- No information available.
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### 5.3 - Advice for firefighters

## Sprayduster 200ml non-flammable

- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Do not allow run-off from fire-fighting to enter drains or water courses.

### SECTION 6: Accidental release measures

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

- For non-emergency personnel
- Use personal protection equipment.
  - Provide adequate ventilation.

- For emergency responders
- No information available.

#### 6.2 - Environmental precautions

- Do not allow to enter into surface water or drains.
- Ensure waste is collected and contained.

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

- Methods and material for containment
- Soak up inert absorbent and dispose as waste requiring special attention.

- Methods and material for cleaning up
- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
  - Take up carefully when dry.
  - Clear contaminated areas thoroughly.
  - Clean contaminated articles and floor according to the environmental legislation.

- Inappropriate techniques
- No information available.

#### 6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

### SECTION 7: Handling and storage

#### 7.1 - Precautions for safe handling

- Recommendation
- No special technical protective measures are necessary.

- Advices on general occupational hygiene
- No information available.

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

- Do not store together with: Food and feedingstuffs

#### 7.3 - Specific end use(s)

### SECTION 8: Exposure controls/personal protection

#### 8.1 - Control parameters

##### Trans-1,3,3,3-Tetrafluoroprop-1-ene (29118-24-9)

IOELV TWA ppm (UE)	800 ppm
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#### 8.2 - Exposure controls

## Sprayduster 200ml non-flammable

- Appropriate engineering controls - No information available.
- Individual protection measures, such as personal protective equipment - Tested protective gloves must be worn
- Suitable protective clothing: lab coat



- Environmental exposure controls - Further information: see technical data sheet.

### SECTION 9: Physical and chemical properties

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

<u>Physical state</u>	<u>Appearance</u>	<u>Aerosol characteristic</u>
gaseous	<u>Odour</u>	
<u>Colour</u>		
Odour threshold	No data available	
pH	No data available	
Melting point	No data available	
Freezing point	No data available	
Boiling point	No data available	
Flash point	No data available	
Evaporation rate	No data available	
flammability	No data available	
Lower explosion limit	No data available	
Upper explosion limit	No data available	
Vapour pressure	No data available	
Vapour density	No data available	
Relative density	No data available	
Density	No data available	
Solubility (Water)	No data available	
Solubility (Ethanol)	No data available	
Solubility (Acetone)	No data available	
Solubility (Organic solvents)	No data available	
Log KOC	No data available	
Auto-ignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	No data available	

#### Particle characteristics

Particle size	No data available
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#### 9.2 - Other information

VOC content	0 %
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## Sprayduster 200ml non-flammable

Minimum ignition energy	No data available
Conductivity	No data available

### SECTION 10: Stability and reactivity

#### 10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

#### 10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

#### 10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

#### 10.4 - Conditions to avoid

- No information available.

#### 10.5 - Incompatible materials

- No information available.

#### 10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

### SECTION 11: Toxicological information

#### 11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

#### Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- No information available.

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

## Sprayduster 200ml non-flammable

- data lacking

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

11.2 - Information on other hazards

### SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

12.6 - Endocrine disrupting properties

12.7 - Other adverse effects

- No information available.

### SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods - Dispose of waste according to applicable legislation.

## Sprayduster 200ml non-flammable

<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	<ul style="list-style-type: none"><li>- Waste requires special monitoring.</li><li>- Collect the waste separately.</li><li>- Send to a hazardous waste incinerator facility under observation of official regulations.</li><li>- The waste is to be kept separate from other types of waste until its disposal.</li></ul>
<u>Community or national or regional provisions</u>	- No information available.

### SECTION 14: Transport information

#### 14.1 - UN number or ID number

<u>UN number (ADR)</u>	:	UN1950
<u>UN number (RID)</u>	:	UN1950
<u>UN number (ADN)</u>	:	Not applicable
<u>UN number (IMDG)</u>	:	UN1950
<u>UN number (IATA)</u>	:	UN1950

#### 14.2 - UN proper shipping name

<u>UN proper shipping name (ADR)</u>	:	AEROSOLS
<u>UN proper shipping name (RID)</u>	:	AEROSOLS
<u>UN proper shipping name (IMDG)</u>	:	AEROSOLS
<u>UN proper shipping name (IATA)</u>	:	AEROSOLS, NON-FLAMMABLE

#### 14.3 - Transport hazard class(es)

<u>ADR Transport hazard class(es)</u>	:	2
<u>ADR Classification code:</u>	:	5F
<u>Pictograms</u>		



<u>Transport hazard class(es) (RID)</u>	:	2
<u>Pictograms</u>		



## Sprayduster 200ml non-flammable

Transport hazard class(es) (IMDG) : 2

Pictograms



Transport hazard class(es) (IATA) : 2

Pictograms



### 14.4 - Packing group

Packing group :

Packing group (RID) :

Packing group (IMDG) :

Packing group (IATA) :

### 14.5 - Environmental hazards

Environmental hazards : No

Marine pollutant : No

### 14.6 - Special precautions for user

#### **ADR**

ADR Classification code : 5F  
ADR Special provisions : 190+327+344+625  
ADR Limited quantity (LQ) : 1L  
ADR Excepted quantities : E0  
ADR Packing instructions : P207 LP200  
ADR Special packing provisions : PP87 RR6 L2  
ADR Mixed packing provisions : MP9  
Instructions for portable tanks and bulk containers :  
Special provisions for portable tanks and bulk containers :  
ADR tank code :  
ADR tanks special provisions :  
Vehicle for tank carriage :  
ADR Transport category : 2  
ADR Tunnel restriction code : D  
ADR Special provisions loading, unloading and handling : CV9 CV12  
Special provisions - Packages : V14  
Special provisions - Bulk :  
Special provisions - Operation : S2  
ADR Hazard identification number (Kemler No.) :

#### **RID**

Special provisions :  
Limited quantity (LQ) :

## Sprayduster 200ml non-flammable

<u>Excepted quantities</u>	:	
<b>IMDG</b>		
<u>Special provisions</u>	:	63 190 277 327 344 381 959
<u>Limited quantity (LQ)</u>	:	
<u>Excepted quantities</u>	:	E0
<u>Packing instructions</u>	:	P207 LP200
<u>Special packing provisions</u>	:	PP87 L2
<u>IBC instruction(s)</u>	:	
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	
<u>Special provisions for portable tanks and bulk containers</u>	:	
<u>EmS codes</u>	:	F-D, S-U
<u>Stowage and handling</u>	:	Category None SW1 SW22
<u>Segregation</u>	:	SG69
<u>Properties and observations</u>	:	
<b>IATA</b>		
<u>PCA - Excepted quantities</u>	:	E0
<u>PCA - Limited Quantity - Packing Instructions</u>	:	Y203
<u>PCA - Limited Quantity - Maximum Net Quantity per Package</u>	:	30kg
<u>PCA - Packing Instructions</u>	:	203
<u>PCA - Maximum Net Quantity per Package</u>	:	75kg
<u>CAO - Packing Instructions</u>	:	203
<u>CAO - Maximum Net Quantity per Package</u>	:	150kg
<u>Special Provisions</u>	:	A98 A145 A167 A802
<u>ERG Code</u>	:	2L

14.7 - Maritime transport in bulk according to IMO instruments

### SECTION 15: Regulatory information

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

<u>Substances REACH candidates</u>	None
<u>Substances Annex XIV</u>	None
<u>Substances Annex XVII</u>	None
<u>VOC content</u>	0 %

Regulation (EC) No. 648/2004 (Detergents regulation)

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

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## Sprayduster 200ml non-flammable

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### SECTION 16: Other information

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#### SDS versions

Version	Issue date	Author	Description of the amendments
1	11/23/2022		

#### Texts of the regulatory sentences

Aerosol 3	Aerosol - Category 3
H229	Pressurised container: May burst if heated
Press. Gas	Gases under pressure

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