





### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: MINOS DIY SILICONE SPRAY - Silicone spray 24-157

**1.2** Relevant identified uses of the substance or mixture and uses advised against: Relevant uses: Spray lubricant

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: EVO

EVOCHEM S.A. Tzaverdella Place 133 41 PHILI , ATTICA - GREECE Phone.: 0030 210 5590460 , 0030 210 5590155 Fax: 0030 210 6254737 , 0030 210 5590244 Email: <u>info@evochem.gr</u> <u>vmergoupis@evochem.gr</u> ; <u>sales@evochem.gr</u> <u>www.evochem.gr</u>

1.4 Emergency telephone number: National Poisoning Center 2107793777

## 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

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412

# 2.2 Label elements:

## CLP Regulation (EC) nº 1272/2008:

Danger



### Hazard statements:

Aerosol 1: H229 - Pressurized container: May burst if heated Aerosol 1: H222 - Extremely flammable aerosol Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects

### Precautionary statements:

P101: If medical advice is needed, have product container or label at hand

P102: Keep out of reach of children

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P211: Do not spray on an open flame or other ignition source

P251: Do not pierce or burn, even after use

P273: Avoid release to the environment

P410+P412: Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122°F

P501: Dispose of contents and / or their container according to the separated collection system used in your municipality

### 2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substance:

Non-applicable

## 3.2 Mixture:

**Chemical description:** Mixture composed of additives, pigments and resins in solvents

## Components:

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

- CONTINUED ON NEXT PAGE -



### Safety data sheet According to 1907/2006/EC (REACH), 2015/830/EU

# MINOS DIY SILICONE SPRAY - Silicone spray 24-157

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# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification				
CAS: 64742-47-8 EC: 265-149-8 Index: 649-422-00-2 REACH 01-2119484819-18-XXX	Distillates (petroleum), hydrotreated light 1 Regulation 1272/2008 Asp. Tox. 1: H304 - Danger	ATP CLP00	50 - <75 %		
CAS: Non-applicable EC: Non-applicable Index: Non-applicable REACH Non-applicable	Organic modified polydimethylsiloxane         1           Regulation 1272/2008         Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning	Self-classified	4,9 - <9,9 %		
CAS: 110-54-3 EC: 203-777-6 Index: 601-037-00-0 REACH 01-2119480412-44-XXX	N-hexane 1           Regulation 1272/2008         Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 2: H225; Repr. 2: H361f; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H336 - Danger	ATP CLP00	2,4 - <4,9 %		

<sup>1</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

To obtain more information on the risk of the substances consult sections 8, 11, 12, 15 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 SDS of this product.

## By inhalation:

This product is not classified as hazardous through inhalation, however, it is recommended in case of intoxication symptoms to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

### By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or shower the person affected if necessary thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

### By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. 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 SDS of the product.

### By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. 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 (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:





# SECTION 5: FIREFIGHTING MEASURES (continued)

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 inertization 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:

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

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Avoid projections and pulverizations. 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.:	35 °C

Maximum time: 12 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



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# MINOS DIY SILICONE SPRAY - Silicone spray 24-157

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

# 8.1 Control parameters:

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

Identification	Er	vironmental limits			
N-hexane	IOELV (8h)	20 ppm	72 mg/m <sup>3</sup>		
CAS: 110-54-3	IOELV (STEL)				
EC: 203-777-6	Year	2017			

### **DNEL (Workers):**

		Short	exposure	Long exposure	
Identification		Systemic	Local	Systemic	Local
N-hexane	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 110-54-3	Dermal	Non-applicable	Non-applicable	11 mg/kg	Non-applicable
EC: 203-777-6	Inhalation	Non-applicable	Non-applicable	75 mg/m <sup>3</sup>	Non-applicable

### **DNEL (General population):**

		Short e	kposure	Long ex	posure
Identification		Systemic	Local	Systemic	Local
N-hexane	Oral	Non-applicable	Non-applicable	4 mg/kg	Non-applicable
CAS: 110-54-3	Dermal	Non-applicable	Non-applicable	5,3 mg/kg	Non-applicable
EC: 203-777-6	Inhalation	Non-applicable	Non-applicable	16 mg/m <sup>3</sup>	Non-applicable

# PNEC:

Non-applicable

### 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.

### B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Compulsory use of face mask	Filter mask for particles		EN 149:2001+A1:2009	Replace when an increase in resistence to breathing is observed.

### C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Protective gloves against minor risks	CATI		Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420 and EN 374.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application

## D.- Ocular and facial protection

	Pictogram	PPE	Labelling	CEN Standard	Remarks
	Mandatory face protection	Panoramic glasses against splash/projections.	CAT II	EN 166:2001 EN ISO 4007:2012	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.
E I	Bodily protection				



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Artistatic and fireproof protective clothing       En 1149-1:200 EN 1149-2:200 EN 1149-200 EN 1149-200 E	Mandatory complete		Labelling	CEN Standard	Remarks
Mandations complete       Safety footwear with motivation of the resistant properties       EN 150 14116-52008       Replace boots at any sign of deterior         F. Additional emergency measures       EN 13287-2008       EN 13287-2008       Difference         F. Additional emergency measures       Energency measure       Standards       Energency measure       Standards         Energency measure       ANSI 2358-1       Energency measure       Difference       Difference         Energency shower       Iso ondance with the community legislation for the protection of the environment it is recommended to avoid environments of both the product and its container. For additional information see subsection 7.1.0       Volatile organic       Concentrence         Volatile organic compounds:       10,76       Average coation number: 11,76       Average molecular weight: 166,65 g/mol       Mith regard to Directive 2004/42/EC, this product which is ready to use has the following characteristics:       Volatile compounets: 0,000			CE	EN 1149-1:2006 EN 1149-2:1997 EN 1149-3:2004	Limited protection against flames.
Image: Provide the second s			CAT III	EN ISO 14116:2008/AC:2009 EN 1149-5:2008	
F       Additional emergency measures       Standards       Emergency measure       Standards         Emergency measure       ANSI 2358-1       Iso 3864-1:2002       Iso 3864-1:2002       DIN 12 899         Environmental exposure controls:       Iso 3864-1:2002       Iso 3864-1:2002       Iso 3864-1:2002         Environmental exposure controls:       In accordance with the community legislation for the protection of the environment it is recommended to avoid environments 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):       93,2 % weight         V.O.C. Guensity at 20 °C:       792,2 g/L)       Average carbon number:       11,76         Average molecular weight:       166,65 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:       792,2 g/L)         EUlimit for the product (Cat. B.E):       840 g/L (2010)       Components:       Non-applicable         ON 9: PHYSICAL AND CHEMICAL PROPERTIES       Information on basic physical and chemical properties:       For complete information see the product datasheet.         Appearance:       Transparent       Colourless       Colourless       Colourless         Our:       Colourless       Colourless		antistatic and heat resistant			Replace boots at any sign of deteriorat
Emergency measure       Standards       Emergency measure       Standards         ANSI 2358-1       ISO 3864-1:2002       Iso 3864-1:2002       DIN 12 899         ISO 3864-1:2002       Iso 3864-1:2002       Iso 3864-1:2002       Iso 3864-1:2002         Environmental exposure controls:       In accordance with the community legislation for the protection of the environment it is recommended to avoid environmentation be subsection 7.1.D       Volatile organic compounds:         With regard to Directive 2010/75/EU, this product has the following characteristics:       V.O.C. (Supply):       93,2 % weight         V.O.C. Guspity at 20 °C:       792,2 g/L)       Average carbon number:       11,76         Average molecular weight:       166,65 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:       792,2 g/L)         EUlimit for the product (Cat. B.E):       840 g/L (2010)       EON 9: PHYSICAL AND CHEMICAL PROPERTIES         Information on basic physical and chemical properties:       For complete information see the product datasheet.       Appearance:         Physical state at 20 °C:       Aerosol       Aerosol       Appearance:       Fransparent         Colouriess       Colourless       Colourless       Colourless       Colourless		ncv measures			
ANSI 238-1 ISO 3864-1:2002       DIN 12 899 ISO 3864-1:2002         Environmental exposure controls:       Environmental exposure controls:         In accordance with the community legislation for the protection of the environment it is recommended to avoid environments 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):       93,2 % weight         V.O.C. (Supply):       93,2 % weight         V.O.C. density at 20 °C:       792,2 kg/m³ (792,2 g/L)         Average molecular weight:       166,55 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:       792,2 kg/m³ (792,2 g/L)         EUlimit for the product (Cat. B.E):       840 g/L (2010)         Components:       Non-applicable         Information on basic physical and chemical properties:         For complete information see the product datasheet.       Aerosol         Appearance:       Transparent         Colour:       Colourless         Odour:       Characteristic			tandarde	Emorgonou moscure	Standarde
In accordance with the community legislation for the protection of the environment it is recommended to avoid environments 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): 93,2 % weight V.O.C. density at 20 °C: 792,2 kg/m³ (792,2 g/L) Average carbon number: 11,76 Average molecular weight: 166,65 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: 792,2 kg/m³ (792,2 g/L) EUlimit for the product (Cat. B.E): 840 g/L (2010) Components: Non-applicable  ON 9: PHYSICAL AND CHEMICAL PROPERTIES  For complete information see the product datasheet.  Appearance: Physical state at 20 °C: Aerosol Appearance: Colour: Colourless Odour: Characteristic	+	AN ISO 3	ISI Z358-1	©+ T	DIN 12 899
Components:       Non-applicable         ON 9: PHYSICAL AND CHEMICAL PROPERTIES         Information on basic physical and chemical properties:         For complete information see the product datasheet.         Appearance:         Physical state at 20 °C:       Aerosol         Appearance:       Transparent         Colour:       Colourless         Odour:       Characteristic	Average molecular we With regard to Directiv V.O.C. density at 20 %	ight: 166,65 g/mol ve 2004/42/EC, this produ C: 792,2 kg/m³ (	(792,2 g/L)	dy to use has the following o	characteristics:
Information on basic physical and chemical properties:         For complete information see the product datasheet.         Appearance:         Physical state at 20 °C:       Aerosol         Appearance:       Transparent         Colour:       Colourless         Odour:       Characteristic			,10)		
For complete information see the product datasheet.         Appearance:         Physical state at 20 °C:       Aerosol         Appearance:       Transparent         Colour:       Colourless         Odour:       Characteristic		ND CHEMICAL PROPE	ERTIES		
Appearance:       Physical state at 20 °C:       Aerosol         Appearance:       Transparent         Colour:       Colourless         Odour:       Characteristic	ON 9: PHYSICAL A		al properties:		
Physical state at 20 °C:       Aerosol         Appearance:       Transparent         Colour:       Colourless         Odour:       Characteristic		ic physical and chemic			
Appearance:     Transparent       Colour:     Colourless       Odour:     Characteristic	Information on bas		sheet.		
Appearance:     Transparent       Colour:     Colourless       Odour:     Characteristic	Information on bas For complete informat		sheet.		
Colour: Colourless Odour: Characteristic	Information on basi For complete informat Appearance:	ion see the product datas		sol	
Odour: Characteristic	Information on basing For complete informate Appearance: Physical state at 20 °C	ion see the product datas	Aero		
	Information on basi For complete informat Appearance: Physical state at 20 °C Appearance:	ion see the product datas	Aero Tran	sparent	
	Information on basin For complete informat Appearance: Physical state at 20 °C Appearance: Colour:	ion see the product datas	Aero Tran Colo	sparent urless	

Boiling point at atmospheric pressure:-42 °C (Propellant)Vapour pressure at 20 °C:Non-applicable \*Vapour pressure at 50 °C:<30000 Pa (300 kPa)</td>Evaporation rate at 20 °C:Non-applicable \*Product description:Density at 20 °C:850 kg/m³Relative density at 20 °C:Non-applicable \*

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



## Safety data sheet According to 1907/2006/EC (REACH), 2015/830/EU

# **MINOS DIY SILICONE SPRAY - Silicone spray** 24-157

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SECTION 9: PHYSICAL AND CHEMICAL PROPER	TIES (continued)	
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 *	
Solubility properties:	Non-applicable *	
Decomposition temperature:	Non-applicable *	
Melting point/freezing point:	Non-applicable *	
Recipient pressure:	Non-applicable *	
Explosive properties:	Non-applicable *	
Oxidising properties:	Non-applicable *	
Flammability:		
Flash Point:	-104 °C (Propellant)	
Flammability (solid, gas):	Non-applicable *	
Autoignition temperature:	410 °C (Propellant)	
Lower flammability limit:	Non-applicable *	
Upper flammability limit:	Non-applicable *	
Explosive:		
Lower explosive limit:	Non-applicable *	
Upper explosive limit:	Non-applicable *	
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 because the product is stable under recommended storage conditions. 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	5 Incompatible materials:							
	Acids	Water	Combustive materials	Combustible materials	Others			

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Acids	Water	Combustive materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

# **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.

Version: 1





## 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 effect):

- 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, however it does contain substances classified as dangerous for this effect. For more information see section 3.
- B- Inhalation (acute effect):
  - 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, however, it contains substances classified as dangerous for inhalation. For more information see section 3.

- C- Contact with the skin and the eyes (acute effect):
  - Contact with the skin: 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.
  - Contact with the eyes: 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.
- 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, however it does 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 sensitising 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) - single exposure:

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.

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, however, it does contain substances which are classified as dangerous due to repetitive exposure. 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, 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:

Identificatio	on	Acu	te toxicity	Genus
N-hexane		LD50 oral	5100 mg/kg	Mouse
CAS: 110-54-3		LD50 dermal	3000 mg/kg	Rabbit
EC: 203-777-6		LC50 inhalation	Non-applicable	





#### SECTION 12: ECOLOGICAL INFORMATION The experimental information related to the eco-toxicological properties of the product itself is not available 12.1 Toxicity: Acute toxicit Identification 4 mg/L (96 h) Fish Carassius auratus N-hexane C50 CAS: 110-54-3 Non-applicable C50 EC: 203-777-6 Non-applicable C50 12.2 Persistence and degradability: Biodegradability Identification Degradability N-hexane Non-applicable 100 mg/L BOD5 Concentration Non-applicable CAS: 110-54-3 COD Period 14 days 100 % EC: 203-777-6 OD5/COD Non-applicable % Biodegradable 12.3 Bioaccumulative potential: Bioaccumulation potential Identification Distillates (petroleum), hydrotreated light BCF 130 CAS: 64742-47-8 Pow Log 3.3 Potential EC: 265-149-8 High 542 N-hexane BCF CAS: 110-54-3 ow Loa 3.9 EC: 203-777-6 High Potential Mobility in soil: 12.4 Volatility Identification Absorption/desorption N-hexane 185425 Pa·m<sup>3</sup>/mol 150 Henr CAS: 110-54-3 Conclusion Dry soil High Yes EC: 203-777-6 Surface tension 1,798E-2 N/m (25 °C) loist soil Yes 12.5 Results of PBT and vPvB assessment: Product fails to meet PBT/vPvB criteria 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):

HP14 Ecotoxic, 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) nº1907/2006 (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 2017 and RID 2017:



Safety data sheet According to 1907/2006/EC (REACH), 2015/830/EU

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SECTION 14: TRANSPORT I	NFORMATION (continued)	
	100	
	UN number:	UN1950
	UN proper shipping name:	AEROSOLS, flammable
14.3	Transport hazard class(es): Labels:	2 2.1
2 14.4	Packing group: Environmental hazards:	N/A No
•	Special precautions for user	NO
14.0	Special regulations:	190, 327, 344, 625
	Tunnel restriction code:	D
	Physico-Chemical properties:	see section 9
	Limited quantities:	
14 7	Transport in bulk according to	
110	Annex II of Marpol and the IBC Code:	
Transport of dangerou		
With regard to IMDG 38-		
	UN number:	UN1950
	UN proper shipping name:	AEROSOLS, flammable
	Transport hazard class(es):	2
	Labels:	2.1
	Packing group:	N/A
	Environmental hazards:	No
	Special precautions for user	
	Special regulations:	63, 959, 190, 277, 327, 344
	EmS Codes:	F-D, S-U
	Physico-Chemical properties:	see section 9
	Limited quantities:	1L
14.7	Transport in bulk according to	
	Annex II of Marpol and the IBC Code:	
Transport of dangero		
With regard to IATA/ICA		
	UN number:	UN1950
	UN proper shipping name:	AEROSOLS, flammable
	Transport hazard class(es):	2
	Labels:	2.1
2 14.4	Packing group:	N/A
14.5		No
	Special precautions for user	
-	Physico-Chemical properties:	see section 9
14.7	Transport in bulk according to Annex II of Marpol and the	Non-applicable
	IBC Code:	

# 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

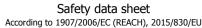
Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, 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

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

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# SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:

----ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,

-tricks and jokes,

-games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

### 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

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 (EC) Nº 2015/830)

### Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.: Non-applicable

#### Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects 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:

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. Liq. 2: H225 - Highly flammable liquid and vapour Repr. 2: H361f - Suspected of damaging fertility. Skin Irrit. 2: H315 - Causes skin irritation STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure STOT SE 3: H335 - May cause respiratory irritation STOT SE 3: H336 - May cause drowsiness or dizziness

#### Classification procedure:

Aquatic Chronic 3: Calculation method 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:

http://echa.europa.eu http://eur-lex.europa.eu

### Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -



# **mino**s

# SECTION 16: OTHER INFORMATION (continued)

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 LC50: Lethal 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.