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SAFETY DATA SHEET

Issuing Date 16-Aug-2013 **Revision Date** 10-Sep-2021 **Revision Number** 3

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name **VIVA!e Cartridge Spa**

Contains Citral, 2-Buten-1-one, 1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-, D-Limonene, Linalool, Camphor

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

Recommended Use Air freshener

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Company
Fragrance Delivery Technologies LTD.
LIU 15, RA07AC06 JAFZA
P.O.Box 262800
Dubai, United Arab Emirates
TEL: +9714 887 0577
Email: info@oxygenpowered.com

For further information, please contact
E-mail Address info@oxygenpowered.com

1.4. Emergency telephone number

Emergency Telephone Number CHEMTREC: 1(800) 424-9300 (in USA and Canada) or +1-703-527-3887 (International)

Europe	112

Section 2. Hazards identification

2.1. - Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Acute Oral Toxicity	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Skin Sensitization	Category 1
Chronic Aquatic Toxicity	Category 2

Physical Hazards

Flammable liquids	Category 3

Classification according to EU Directives 67/548/EEC or 1999/45/EC
The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Symbol(s)	Xn - Harmful N - Dangerous for the environment
R-code(s)	Xi;R38 - R43 - N;R51-53

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

2.2. Label Elements

Signal Word **Warning**

Hazard Statements
H302 - Harmful if swallowed
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H411 - Toxic to aquatic life with long lasting effects
H226 - Flammable liquid and vapor
EUH210 - Safety data sheet available on request

Precautionary Statements - EU (§28, 1272/2008)
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P264 - Wash face, hands and any exposed skin thoroughly after handling
P370 + P378 - In case of fire: Use carbon dioxide, alcohol-resistant foam, or water spray for extinction
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention

Precautionary Statements
P270 - Do not eat, drink or smoke when using this product
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell
P330 - Rinse mouth
P332 + P313 - If skin irritation occurs: Get medical advice/ attention
P362 - Take off contaminated clothing and wash before reuse
P264 - Wash face, hands and any exposed skin thoroughly after handling
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/ attention
P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
P272 - Contaminated work clothing should not be allowed out of the workplace
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention
P321 - Specific treatment (see supplemental first aid instructions on this label)
P363 - Wash contaminated clothing before reuse
P273 - Avoid release to the environment
P391 - Collect spillage
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P233 - Keep container tightly closed
P240 - Ground/Bond container and receiving equipment
P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower
P403 + P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up
P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other information
No information available.

Section 3. Composition/information on ingredients

3.1. Substances

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
Dihydromyrcenol	242-362-4	18479-58-8	15-<20	Xi;R38	Skin Irrit. 2 (H315)	No data available
Camphor	200-945-0	76-22-2	15-<20	Xn;R20-40/22		No data available
Pinene	215-533-6	1330-16-1	5-<10	-		No data available
Lynalyl acetate (ex bois de rose, synthetic)	204-116-4	115-95-7	5-<10	N;R51/53	Aquatic Chronic 2 (H411)	No data available
Linalool	201-134-4	78-70-6	5-<10	R52-53 Xi; R36/38 R43	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Aquatic Chronic 3 (H412)	No data available
Eucalyptol	207-431-5	470-82-6	5-<10	R52-53	Aquatic Chronic 3 (H412)	No data available
n-Hexyl acetate	205-572-7	142-92-7	3-<5	R10; N R51/53	EFFA: EH A2; FL 3; SCI 3	No data available

2H-Pyran, tetrahydro-4-methyl-2-(2-methyl-1-propenyl)-	240-457-5	16409-43-1	1-<3	-		No data available
D-Limonene	Present	5989-27-5	1-<3	R10 Xi;R38-43 N;R50-53	Skin Irrit. 2 (H315) Flam. Liq. 3 (H226) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Decanal	203-957-4	112-31-2	1-<3	Xi;R38 R52/53 (EFFA)	Skin Irrit. 2 (H315) Aquatic Chronic 3 (H412)	No data available
Citral	226-394-6	5392-40-5	1-<3	Xi; R38 R43	Skin Irrit. 2 (H315) Skin Sens. 1 (H317)	No data available
Caryophyllene	201-746-1	87-44-5	1-<3	Xn;R65	Asp. Tox. 1 (H304)	No data available
Camphene	201-234-8	79-92-5	1-<3	Xi;R36 N;R50/53 R10 (EFFA)	Eye Irrit. 2 (H319) Aquatic Chronic 4 (H413)	No data available
5-Hepten-2-one, 6-methyl-	203-816-7	110-93-0	1-<3	Xn; R21**		No data available
2-Buten-1-one, 1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-	260-709-8	57378-68-4	1-<3	Xi;R43	Skin Sens. 1 (H317)	No data available
Pin-2(3)-ene	201-291-9	80-56-8	0.1-<1	R10 Xi;R43 Xn;R65 N;R50/53	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available

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

Section 4. First aid measures

4.1. Description of first-aid measures

Eye Contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Skin Contact Wash skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Ingestion IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell

Inhalation If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Protection of First-aiders Remove all sources of ignition. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

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

Most Important Symptoms/Effects Itching, Rashes, Irritation.

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician May cause sensitization of susceptible persons. Treat symptomatically.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media
Use: Carbon dioxide (CO_2). Dry chemical. Foam. Water spray.

Extinguishing media which must not be used for safety reasons
Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases
Flammable. Vapors may accumulate in confined areas (basement, tanks, hopper/tank cars, etc.) Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

5.3. Advice for firefighters

Special protective equipment for fire-fighters
As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Keep people away from and upwind of spill/leak. Take precautionary measures against static discharges. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Avoid release to the environment. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Dispose of contents/container to an approved waste disposal plant. Collect spillage.

6.3. Methods and materials for containment and cleaning up

Dike to collect large liquid spills.

Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Non-sparking tools should be used. Use personal protective equipment. Sweep up and shovel into suitable containers for disposal.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling
Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Wear personal protective equipment. Use spark-proof tools and explosion-proof equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use.

Hygiene Measures
When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

Exposure Scenario
No information available.

Other Guidelines
No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical Name	EU	The United Kingdom	France	Spain	Germany
Camphor 76-22-2		STEL: 3 ppm STEL: 19 mg/m^3 TWA: 2 ppm TWA: 13 mg/m^3	VME: 2 ppm VME: 12 mg/m^3	VLA-EC: 3 ppm VLA-EC: 19 mg/m^3 VLA-ED: 2 ppm VLA-ED: 13 mg/m^3	MAK: 2 ppm MAK: 13 mg/m^3 Ceiling / Peak: 4 ppm Ceiling / Peak: 26 mg/m^3
D-Limonene 5989-27-5			TWA: 1000 mg/m^3 STEL: 1500 mg/m^3		TWA: 5 ppm TWA: 28 mg/m^3 Ceiling / Peak: 20 ppm Ceiling / Peak: 112 mg/m^3 Skin TWA: 20 ppm TWA: 110 mg/m^3
Component	**Italy**	**Portugal**	**The Netherlands**	**Finland**	**Denmark**
Camphor 76-22-2 (15-<20)		STEL: 3 ppm TWA: 2 ppm		TWA: 0.3 ppm TWA: 1.9 mg/m^3 STEL: 0.9 ppm STEL: 5.7 mg/m^3	TWA: 2 ppm TWA: 12 mg/m^3
D-Limonene 5989-27-5 (1-<3)				TWA: 25 ppm TWA: 140 mg/m^3 STEL: 50 ppm STEL: 280 mg/m^3	
Pin-2(3)-ene 80-56-8 (0.1-<1)		TWA: 20 ppm			
Chemical Name	**Austria**	**Switzerland**	**Poland**	**Norway**	**Ireland**
Camphor 76-22-2	MAK: 2 ppm MAK: 13 mg/m^3	MAK: 2 ppm MAK: 13 mg/m^3	NDSCh: 18 mg/m^3 NDS: 12 mg/m^3	TWA: 2 ppm TWA: 12 mg/m^3 STEL: 4 ppm STEL: 18 mg/m^3	TWA: 2 ppm TWA: 12 mg/m^3 STEL: 3 ppm STEL: 18 mg/m^3
D-Limonene 5989-27-5		STEL: 40 ppm STEL: 220 mg/m^3 TWA: 20 ppm TWA: 110 mg/m^3		TWA: 25 ppm TWA: 140 mg/m^3 STEL: 37.5 ppm STEL: 175 mg/m^3	
Pin-2(3)-ene 80-56-8				TWA: 25 ppm TWA: 140 mg/m^3 Skin STEL: 37.5 ppm STEL: 175 mg/m^3	

Derived No Effect Level No information available
Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures	None under normal use conditions.
Personal protective equipment	
Eye Protection	No special protective equipment required. If splashes are likely to occur, wear: Goggles
Skin and Body Protection	No protective equipment is needed under normal use conditions. Wear protective gloves/clothing
Hand Protection	Protective gloves.
Respiratory Protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Environmental Exposure Controls	Do not allow material to contaminate ground water system.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid	**Appearance**	Pale red to red
Odor	Characteristic		

Property	Values	Remarks/ - Method
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	59 °C / 138.2 °F	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Vapor Pressure	0.800000	None known
Vapor Density	No data available	None known
Relative Density	0.8950 - 0.8990	None known
Water Solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Flammable Properties	Flammable.	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

9.2. Other information

VOC Content (%)	No information available
Flammability Limits in Air	No data available

Section 10. Stability and reactivity

10.1. Reactivity
No data available.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
None under normal processing.

10.4. Conditions to avoid
Heat, flames and sparks.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Carbon oxides.

Section 11. Toxicological information

11.1. Information on toxicological effects

Acute Toxicity

Product Information Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation There is no data available for this product.
Eye Contact Causes serious eye irritation.
Skin Contact Causes skin irritation. May cause sensitization by skin contact.
Ingestion Harmful if swallowed. May be harmful if swallowed and enters airways

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dihydromyrcenol	= 3600 mg/kg (Rat)	> 5 g/kg (Rabbit)	
Linalool	2790 mg/kg (Rat)	5610 mg/kg (Rat)	-
Eucalyptol	= 2480 mg/kg (Rat)		
Lynalyl acetate (ex bois de rose, synthetic)	= 13934 mg/kg (Rat)		
n-Hexyl acetate	= 41500 µL/kg (Rat)	> 5 g/kg (Rabbit)	
2H-Pyran, tetrahydro-4-methyl-2-(2-methyl-1-propenyl)-	= 4300 mg/kg (Rat)		
5-Hepten-2-one, 6-methyl-	= 3500 mg/kg (Rat)	> 5000 mg/kg (Rat) > 2 g/kg (Rat)	
Decanal	= 3730 µL/kg (Rat)	= 5040 µL/kg (Rabbit)	
Citral	= 4950 mg/kg (Rat)	= 2250 mg/kg (Rabbit) > 2000 mg/kg (Rat)	
Camphene	> 5000 mg/kg (Rat)	> 2500 mg/kg (Rabbit)	= 17100 mg/m^3 (Rat) 1 h
D-Limonene	5000 mg/kg (Rat)	>5000 mg/kg (Rabbit)	-
Geranyl acetate	= 6330 mg/kg (Rat)		
Pin-2(3)-ene	= 2100 mg/kg (Rat)	> 5000 mg/kg (Rat)	
Terpinolene	= 4390 mg/kg (Rat)		
Gamma -Terpinene	= 3650 mg/kg (Rat)		
p-Cymene	= 3669 mg/kg (Rat)		
2,6-Di-tert-butyl-p-cresol	890 mg/kg (Rat)	-	-

Sensitization May cause an allergic skin reaction.
Mutagenic Effects No information available.
Carcinogenic Effects Contains no ingredient listed as a carcinogen

Reproductive Toxicity No information available.
Developmental Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard No information available.

Section 12. Ecological information

12.1. Toxicity

Ecotoxicity Effects

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Linalool	EC50 96 h: = 88.3 mg/L (Desmodesmus subspicatus)	LC50 96 h: 22-46 mg/L static (Leuciscus idus)		EC50 48 h: = 20 mg/L (Daphnia magna)
Eucalyptol		LC50 96 h: 95.4-109 mg/L flow-through (Pimephales promelas)		
n-Hexyl acetate		LC50 96 h: 3.7-4.4 mg/L flow-through (Pimephales promelas)		
D-Limonene		LC50 96 h: 0.619 - 0.796 mg/L flow-through (Pimephales promelas) LC50 96 h: = 35 mg/L (Oncorhynchus mykiss)		
Decanal			EC50 = 2.90 mg/L 25 min EC50 = 3.59 mg/L 15 min EC50 = 4.71 mg/L 5 min	
Citral	EC50 72 h: = 16 mg/L (Desmodesmus subspicatus) EC50 96 h: = 19 mg/L (Desmodesmus subspicatus)	LC50 96 h: 4.6-10 mg/L static (Leuciscus idus)	EC50 = 2100 mg/L 30 min	EC50 48 h: = 7 mg/L (Daphnia magna)
Camphene	EC50 72 h: > 1000 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 0.72 mg/L flow-through (Brachydanio rerio) LC50 96 h: = 150 mg/L static (Brachydanio rerio)		EC50 48 h: = 22 mg/L (Daphnia magna)
5-Hepten-2-one, 6-methyl-	EC50 96 h: = 101 mg/L (Desmodesmus subspicatus) EC50 72 h: = 191 mg/L (Desmodesmus subspicatus)	LC50 96 h: 83.3-88.2 mg/L flow-through (Pimephales promelas)	EC50 = 3000 mg/L 17 h	EC50 48 h: = 129 mg/L (Daphnia magna)
Pin-2(3)-ene		LC50 96 h: = 0.28 mg/L static (Pimephales promelas)		LC50 48 h: = 41 mg/L (Daphnia magna)

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential.

No information available.

Chemical Name	Log Pow
Linalool	3.1
Citral	2.76
5-Hepten-2-one, 6-methyl-	2.07
Pin-2(3)-ene	4.1

12.4. Mobility in soil

Adsorbs on soil.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations

13.1. Waste treatment methods

Waste from Residues / Unused Products	Dispose of in accordance with local regulations.
Contaminated Packaging	Do not re-use empty containers. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers. Empty containers should be taken to an approved waste handling site for recycling or disposal.
Other Information	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14. Transport information

IMDG/IMO

14.1. UN-Number	UN1169
14.2. Proper Shipping Name	Extracts, aromatic, liquid
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1169, Extracts, aromatic, liquid, 3, III, Marine Pollutant (55°C c.c.)
14.5. Marine Pollutant	This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO. Product is a marine pollutant according to the criteria set by IMDG/IMO.
Environmental hazard	yes
14.6. Special Provisions	None.
EmS No.	F-E, S-D
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.

RID

14.1. UN-Number	UN1169
14.2. Proper Shipping Name	Extracts, aromatic, liquid
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1169, Extracts, aromatic, liquid, 3, III
14.5. Environmental hazard	yes
14.6. Special Provisions	None.
Classification Code	F1

ADR

14.1. UN-Number	UN1169
14.2. Proper Shipping Name	Extracts, aromatic, liquid
14.3. Hazard Class	3
ADR/RID-Labels	3
14.4. Packing Group	III
Description	UN1169, Extracts, aromatic, liquid, 3, III, (D/E)
14.5. Environmental hazard	yes
14.6. Special Provisions	None.
Classification Code	F1
Tunnel Restriction Code	(D/E)

ICAO

14.1. UN-Number	UN1169
14.2. Proper shipping name	Extracts, aromatic, liquid
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1169, Extracts, aromatic, liquid, 3, III

14.5. Environmental hazard	yes
14.6. Special Provisions	None.

IATA

14.1. UN-Number	UN1169
14.2. Proper Shipping Name	Extracts, aromatic, liquid
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1169, Extracts, aromatic, liquid, 3, III
14.5. Environmental hazard	yes
14.6. Special Provisions	None.
ERG Code	3L

Section 15. Regulatory information

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

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Not determined
IECSC	Complies
AICS	Complies
KECL	Not determined

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment
No information available

Section 16. Other information

Full text of R-phrases referred to under Sections 2 and 3
R38 - Irritating to skin
R20 - Harmful by inhalation
R43 - May cause sensitization by skin contact
R21 - Harmful in contact with skin
R10 - Flammable
R36 - Irritating to eyes
R65 - Harmful: may cause lung damage if swallowed
R40 - Limited evidence of a carcinogenic effect

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R36/38 - Irritating to eyes and skin
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Full text of H-Statements referred to under sections 2 and 3
H315 - Causes skin irritation
H412 - Harmful to aquatic life with long lasting effects
H411 - Toxic to aquatic life with long lasting effects
H317 - May cause an allergic skin reaction
H226 - Flammable liquid and vapor
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H319 - Causes serious eye irritation
H413 - May cause long lasting harmful effects to aquatic life
H304 - May be fatal if swallowed and enters airways

Key literature references and sources for data
www.ChemADVISOR.com/

Issuing Date	16-Aug-2013
Revision Date	10-Sep-2021
Revision Note	Update to format.

This safety data sheet complies with the requirements of Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006

General Disclaimer
The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet