SAFETY DATA SHEET

Issue Date 15-Jun-2020 **Revision Date** 15-Jun-2020 **Version** 2

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name / designation **Vanilla Lime Fragrance**
Product Code 1629325E
Product Name HF-EHF RFTW VAN LIME

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

Recommended Use Consumer use

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier
Yankee Candle Company Europe Ltd.
Cabot Park, Poplar Way East, Avonmouth
Bristol, BS11 0YH, UK
Tel: +44(0) 117 316 1200

For further information, please contact

E-mail address SDSinfo@yankeecandle.com

1.4. Emergency telephone number

Emergency Telephone - §45 - (EC)1272/2008	
Europe	**008 008 658 8466**

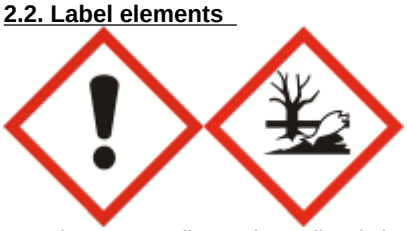
Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1B - (H317)
Chronic aquatic toxicity	Category 2 - (H411)

2.2. Label elements



Contains 2,6-Octadien-1-ol, 3,7-dimethyl-, 1-acetate, (2Z)-, Citral, Isocyclemone E, Coumarin

Warning
Causes skin irritation

Causes serious eye irritation
May cause an allergic skin reaction
Toxic to aquatic life with long lasting effects

Keep out of reach of children
IF ON SKIN: Wash with plenty of water.
If skin irritation or rash occurs: Get medical advice/attention
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
Dispose of contents/containers in accordance with local regulations

Contains Oils, pine, beta-Caryophyllene, Limonene, Linalool, Geranyl acetate, Geraniol, Nerol, Undecanal, 2-methyl-, Linalyl acetate May produce an allergic reaction

2.3. Other hazards
None known

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Pentanedioic acid, 1,5-dimethyl ester	214-277-2	1119-40-0	>=20 <50%	Aquatic Acute 3 (H402)
Hexanedioic acid, 1,6-dimethyl ester	211-020-6	627-93-0	>=10 <20%	Aquatic Acute 3 (H402)
Propanol, 1(or 2)-(2-methoxymethylethoxy)-	252-104-2	34590-94-8	>=5 <10%	Not classified
Cyclohexene, 4-(1-methoxy-1-methylethyl)-1-methyl-	238-620-0	14576-08-0	>=5 <10%	Skin Irrit. 2 (H315) Aquatic Chronic 3 (H412)
Propanol, oxybis-	246-770-3	25265-71-8	>=3 <5%	Not Classified
Propanoic acid, 2-(1,1-dimethylpropoxy)-, propyl ester, (2S)-		319002-92-1	>=3 <5%	Aquatic Chronic 3 (H412)
Isocyclemone E	259-174-3	54464-57-2	>=3 <5%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Chronic 1 (H410)
Benzaldehyde, 4-hydroxy-3-methoxy-	204-465-2	121-33-5	>=3 <5%	Eye Irrit. 2 (H319)
Benzaldehyde, 3-ethoxy-4-hydroxy-	204-464-7	121-32-4	>=3 <5%	Eye Irrit. 2 (H319)
Citral	226-394-6	5392-40-5	>=3 <5%	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Eye Irrit. 2 (H319)
2,6-Octadien-1-ol, 3,7-dimethyl-, 1-acetate, (2Z)-	205-459-2	141-12-8	>=3 <5%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317)
1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)-	202-794-6	99-85-4	>=3 <5%	Flam. Liq. 3 (H226) Acute Tox. 5 (H303) Asp. Tox. 1 (H304) Skin Irrit. 3 (H316)
Coumarin	202-086-7	91-64-5	>=1 <3%	Acute Tox. 4 (H302) Skin Sens. 1B (H317)
Undecanal, 2-methyl-	203-765-0	110-41-8	>=0.1 <1%	Flam. Liq. 4 (H227) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Oils, pine		8002-09-3	>=0.1 <1%	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Sens. 1B (H317) Eye Irrit. 2 (H319) Aquatic Chronic 2 (H411)
beta-Caryophyllene	201-746-1	87-44-5	>=0.1 <1%	Asp. Tox. 1 (H304)

				Skin Sens. 1B (H317) Aquatic Chronic 4 (H413)
Geranyl acetate	203-341-5	105-87-3	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Chronic 3 (H412)
Nerol	203-378-7	106-25-2	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Eye Irrit. 2 (H319)
Geraniol	203-377-1	106-24-1	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Eye Dam. 1 (H318)
Linalyl acetate	204-116-4	115-95-7	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317)
Linalool	201-134-4	78-70-6	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Eye Irrit. 2 (H319)
Limonene	227-813-5	5989-27-5	>=0.1 <1%	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Ethanol, 2,2',2"-nitrilotris-	203-049-8	102-71-6	>=0.01 <0.1%	Eye Irrit. 2 (H319)
Limonene	227-815-6	5989-54-8	>=0.01 <0.1%	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Inhalation Remove to fresh air. If symptoms persist, call a physician.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Ingestion Do NOT induce vomiting. Drink plenty of water. Immediate medical attention is not required. Rinse mouth.

Self-protection of the first aider Use personal protective equipment as required.

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

Symptoms None known.

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

Note to physicians May cause sensitization of susceptible persons.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
No information available

5.2. Special hazards arising from the substance or mixture

In the event of fire and/or explosion do not breathe fumes May cause sensitization by inhalation and skin contact Thermal decomposition can lead to release of irritating and toxic gases and vapors

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Use personal protective equipment as required. Avoid contact with eyes and skin.

For emergency responders
Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains.

6.4. Reference to other sections

See Section 12: ECOLOGICAL INFORMATION.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required.

When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Keep out of the reach of children. Keep container tightly closed. Keep containers tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)

To avoid risks to human health and the environment, comply with the instructions for use.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Chemical Name	European Union	United Kingdom	France	Spain	Germany

Pentanedioic acid, 1,5-dimethyl ester 1119-40-0					TWA: 1.2 ppm TWA: 8 mg/m³
Hexanedioic acid, 1,6-dimethyl ester 627-93-0					TWA: 1.2 ppm TWA: 8 mg/m³
Propanol, 1(or 2)-(2-methoxymethylethoxy)- 34590-94-8	S* TWA 50 ppm TWA 308 mg/m³	STEL: 150 ppm STEL: 924 mg/m³ TWA: 50 ppm TWA: 308 mg/m³ Skin	TWA: 50 ppm TWA: 308 mg/m³	S* TWA: 50 ppm TWA: 308 mg/m³	TWA: 50 ppm TWA: 310 mg/m³ Ceiling / Peak: 50 ppm Ceiling / Peak: 310 mg/m³
Propanol, oxybis- 25265-71-8					TWA: 100 mg/m³ Ceiling / Peak: 200 mg/m³
2,6-Octadienal, 3,7-dimethyl- 5392-40-5				S* TWA: 5 ppm	
1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- 99-85-4			TWA: 1000 mg/m³ STEL: 1500 mg/m³		
(R)-p-mentha-1,8-diene 5989-27-5			TWA: 1000 mg/m³ STEL: 1500 mg/m³		TWA: 5 ppm TWA: 28 mg/m³ Ceiling / Peak: 20 ppm Ceiling / Peak: 112 mg/m³ Skin
Ethanol, 2,2',2"-nitrilotris- 102-71-6				TWA: 5 mg/m³	TWA: 5 mg/m³ Ceiling / Peak: 10 mg/m³
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4S)- 5989-54-8			TWA: 1000 mg/m³ STEL: 1500 mg/m³		

Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Propanol, 1(or 2)-(2-methoxymethylethoxy)- 34590-94-8	TWA: 50 ppm TWA: 308 mg/m³ Skin	STEL: 150 ppm TWA: 50 ppm TWA: 308 mg/m³	TWA: 300 mg/m³	TWA: 50 ppm TWA: 310 mg/m³ Skin	TWA: 50 ppm TWA: 309 mg/m³ Skin
(R)-p-mentha-1,8-diene 5989-27-5				TWA: 25 ppm TWA: 140 mg/m³ STEL: 50 ppm STEL: 280 mg/m³	
Ethanol, 2,2',2"-nitrilotris- 102-71-6		TWA: 5 mg/m³		TWA: 5 mg/m³	TWA: 0.5 ppm TWA: 3.1 mg/m³

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland	Czech Republic
Propanol, 1(or 2)-(2-methoxymethylethoxy)- 34590-94-8	Skin STEL 100 ppm STEL 614 mg/m³ TWA: 50 ppm TWA: 307 mg/m³	STEL: 50 ppm STEL: 300 mg/m³ TWA: 50 ppm TWA: 300 mg/m³	STEL: 480 mg/m³ TWA: 240 mg/m³	TWA: 50 ppm TWA: 300 mg/m³ Skin STEL: 75 ppm STEL: 375 mg/m³	TWA: 50 ppm TWA: 308 mg/m³ STEL: 150 ppm STEL: 924 mg/m³ Skin	Ceiling: 550 mg/m³ TWA: 270 mg/m³ Skin
Propanol, oxybis- 25265-71-8		STEL: 280 mg/m³ TWA: 140 mg/m³				
2,6-Octadienal, 3,7-dimethyl- 5392-40-5			STEL: 54 mg/m³ TWA: 27 mg/m³			
(R)-p-mentha-1,8-diene 5989-27-5		STEL: 14 ppm STEL: 80 mg/m³ TWA: 7 ppm TWA: 40 mg/m³		TWA: 25 ppm TWA: 140 mg/m³ STEL: 37.5 ppm STEL: 175 mg/m³		
Ethanol, 2,2',2"-nitrilotris- 102-71-6	STEL 1.6 ppm STEL 10 mg/m³ TWA: 0.8 ppm TWA: 5 mg/m³	STEL: 20 mg/m³ TWA: 5 mg/m³		TWA: 5 mg/m³ STEL: 10 mg/m³	TWA: 5 mg/m³ STEL: 15 mg/m³	Ceiling: 10 mg/m³ TWA: 5 mg/m³ Skin
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4S)- 5989-54-8				TWA: 25 ppm TWA: 140 mg/m³ STEL: 37.5 ppm STEL: 175 mg/m³		

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection Tight sealing safety goggles.

Skin and body protection Suitable protective clothing.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Solid		
Appearance	Oil	**Odor**	Characteristic
Color	No information available	**Odor threshold**	No information available

Property	**Values**	**Remarks • Method**
pH		Not Applicable
Melting point/freezing point		No information available
Boiling point / boiling range		No information available
Flash point	>= 92 °C	
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limit in Air		
Upper flammability limit:		No information available
Lower flammability limit:		No information available
Vapor Pressure @20°C (kPa)	No information available	No information available
Vapor density		No information available
Specific Gravity		No information available
Water solubility	negligible	No information available
Solubility(ies)		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available
Explosive properties	No information available	
Oxidizing properties	No information available	

9.2. Other information

Softening point	No information available
Molecular weight	Not Applicable
VOC Content (%)	17.6
Density	No information available
Bulk density	No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

Explosion data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Extremes of temperature and direct sunlight.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

None under normal use conditions.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Product information
Product does not present an acute toxicity hazard based on known or supplied information.

Unknown Acute Toxicity 106.741% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document
ATEmix (oral) 5,689.00 mg/kg
ATEmix (dermal) 7,628.00 mg/kg mg/l

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Propanol, 1(or 2)-(2-methoxymethylethoxy)-	= 5400 µL/kg (Rat)	= 9500 mg/kg (Rabbit)	
2,6-Octadienal, 3,7-dimethyl-	= 4960 mg/kg (Rat)	= 2250 mg/kg (Rabbit)	
(R)-p-mentha-1,8-diene	= 5200 mg/kg (Rat) = 4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation Contact with eyes may cause irritation.

Sensitization Repeated or prolonged contact may cause allergic reactions in very susceptible persons.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target Organ Effects Central nervous system, Eyes, Respiratory system.

Aspiration hazard No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

19.326% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Pentanedioic acid, 1,5-dimethyl ester		19.6 - 26.2: 96 h Pimephales promelas mg/L LC50 static	122.1 - 163.5: 48 h Daphnia magna mg/L EC50
Propanol, 1(or 2)-(2-methoxymethylethoxy)-		10000: 96 h Pimephales promelas mg/L LC50 static	1919: 48 h Daphnia magna mg/L LC50
Propanol, oxybis-		5000: 24 h Carassius auratus mg/L LC50 static	
Benzaldehyde, 4-hydroxy-3-methoxy-		88: 96 h Pimephales promelas mg/L LC50 static 53 - 61.3: 96 h Pimephales promelas mg/L LC50 flow-through 57: 96 h Pimephales promelas mg/L LC50 semi-static	180: 24 h Daphnia magna mg/L EC50
Benzaldehyde, 3-ethoxy-4-hydroxy-		81.4 - 94.3: 96 h Pimephales promelas mg/L LC50 flow-through	
2,6-Octadienal, 3,7-dimethyl-	19: 96 h Desmodesmus subspicatus mg/L EC50 16: 72 h Desmodesmus subspicatus mg/L EC50	4.6 - 10: 96 h Leuciscus idus mg/L LC50 static	7: 48 h Daphnia magna mg/L EC50
Oils, pine			17 - 28: 48 h Daphnia magna mg/L EC50 Flow through
1,6-Octadien-3-ol, 3,7-dimethyl-	88.3: 96 h Desmodesmus subspicatus mg/L EC50	22 - 46: 96 h Leuciscus idus mg/L LC50 static	20: 48 h Daphnia magna mg/L EC50
(R)-p-mentha-1,8-diene		35: 96 h Oncorhynchus mykiss mg/L LC50 0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through	
Ethanol, 2,2',2''-nitrilotris-	216: 72 h Desmodesmus subspicatus mg/L EC50 169: 96 h Desmodesmus subspicatus mg/L EC50	450 - 1000: 96 h Lepomis macrochirus mg/L LC50 static 1000: 96 h Pimephales promelas mg/L LC50 static 10600 - 13000: 96 h Pimephales promelas mg/L LC50 flow-through	1386: 24 h Daphnia magna mg/L EC50

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Chemical Name	Partition coefficient
Propanol, 1(or 2)-(2-methoxymethylethoxy)-	-0.064
Benzaldehyde, 4-hydroxy-3-methoxy-	1.23
2,6-Octadienal, 3,7-dimethyl-	2.76
1,6-Octadien-3-ol, 3,7-dimethyl-	2.84 - 3.1
Ethanol, 2,2',2''-nitrilotris-	-2.53

12.4. Mobility in soil

Mobility in soil
No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues / Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Improper disposal or reuse of this container may be dangerous and illegal.

Other Information Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORT INFORMATION

IMDG

Proper shipping name	Not regulated
Hazard Class	9
Packing Group	III
Marine pollutant	Marine pollutant

RID

Hazard Class	9
Packing Group	III
Environmental hazard	Yes

ADR

Hazard Class	9
Packing Group	III
Special Provisions	274, 335, 365, 601
Environmental hazard	Yes

ICAO (air)

Hazard Class	9
Packing Group	III
Special Provisions	A97, A158
Environmental hazard	Yes

IATA

Proper shipping name	Not regulated
Hazard Class	9
Packing Group	III
Special Provisions	A97, A158
Environmental hazard	Yes

Section 15: REGULATORY INFORMATION

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

Chemical Name	French RG number	Title
Pentanedioic acid, 1,5-dimethyl ester 1119-40-0	RG 84	
Hexanedioic acid, 1,6-dimethyl ester 627-93-0	RG 84	

Propanol, 1(or 2)-(2-methoxymethylethoxy)- 34590-94-8	RG 84	
(R)-p-mentha-1,8-diene 5989-27-5	RG 84	
Ethanol, 2,2',2''-nitrilotris- 102-71-6	RG 49	
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4S)- 5989-54-8	RG 84	

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3
H319 - Causes serious eye irritation
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H412 - Harmful to aquatic life with long lasting effects
H318 - Causes serious eye damage
H227 - Combustible liquid
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H402 - Harmful to aquatic life
H226 - Flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H411 - Toxic to aquatic life with long lasting effects
H413 - May cause long lasting harmful effects to aquatic life
H302 - Harmful if swallowed
H303 - May be harmful if swallowed
H316 - Causes mild skin irritation

Classification procedure
Classification according to calculation method of the CLP regulation.

Key literature references and sources for data
IFRA-IOFI Labelling Manual, RIFM/FEMA database, Supplier Information

Issue Date 15-Jun-2020

Revision Date 15-Jun-2020

Revision Note Not Applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer
This document was prepared to the requirements of the jurisdiction specified in Section 2 above and may not meet regulatory requirements in other countries. The information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

End of Safety Data Sheet