

SVDH, Moosstrasse 2, 3073 Gümligen Tel. 031 952 76 75 / Fax 031 952 76 83 http://www.svdh.ch/sdb

# safety data sheet

# to product

# **UNIDENT Unisepta Plus Wipes Disinf. Canister Lemon**

# 1. Identification of the substance / preparation and company

# **Emergency number:**

Tox Info Suisse, Freiestrasse 16, 8032 Zürich; Tox-Info Suisse: 145 (24h-operation); info@toxinfo.ch; **In case of emergency: Tel. 145**; (abroad: +41 44 251 51 51); information: +41 44 251 66 66

# **Company name:**

absolutely best choice	abc dental ag	Gaswerkstrasse 6, 8952 Schlieren Tel. 044 755 51 00, Fax 044 755 51 01
C NDOR A HENRY SCHEINF COMPANY	Condor Dental Research CO Sàrl	Ch. des Cibleries 2, CP 300, 1896 Vouvry Tel. 024 482 61 61, Fax 024 482 61 69
curaden dentaldepot	Curaden AG Dentaldepot	Riedstrasse 12, 8953 Dietikon Tel. 041 319 45 00, Fax 041 319 45 90
dema dent	dema dent AG	Furtbachstrasse 16, 8107 Buchs Tel. 044 838 65 65, Fax 044 838 65 66
Flexdental	Flexdental Services SA	Route de la Corniche 1, 1066 Epalinges Tel. 0848 336 825, Fax 021 907 67 02
	Jordi Röntgentechnik AG	Dammstrasse 70, 4142 Münchenstein Tel. 061 417 93 93, Fax 061 417 93 94
KALADENT	Kaladent AG	Schachenstrasse 2, 9016 St. Gallen Tel. 071 282 80 80, Fax 071 282 80 81
<b>LOMETRAL</b> Die Zahnarztausstatter.	Lometral AG	Binzenholzstrasse 20, 5704 Egliswil Tel. 062 775 05 05, Fax 062 775 33 07
	Novadent AG	Sägereistrasse 17, 8152 Glattbrugg Tel. 044 880 20 20, Fax 044 811 04 40
Smart Dentist Ich kann auch sol	Smart Dentist AG	Verenastrasse 4b, 8832 Wollerau Tel. 044 726 20 20, Fax 044 726 20 25



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

# 1.1 Product identifier

Product name	:	UNISEPTA PLUS WIPES
UFI	:	EKV0-X5MA-1G0U-JJCX
Product code	:	3007000
Use of the Substance/Mixture	:	Disinfectant
Substance type:	:	Mixture

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

Recommended restrictions	:	Reserved for industrial and professional use.
on use		

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

Company	<ul> <li>Laboratoires ANIOS</li> <li>1 rue de l'Espoir</li> <li>59260 Lezennes, France Tel. + 33 (0)3 20 67 67 67</li> <li>Fax. + 33 (0)3 20 67 67 68</li> <li>fds@anios.com</li> </ul>
	Tus@amos.com

# 1.4 Emergency telephone number

Emergency telephone number	:	+32-(0)3-575-5555 Trans-European
Poison Information Centre telephone number	:	+47 22 59 13 00

Date of Compilation/Revision	:	22.03.2022
Version	:	1.0

# Section: 2. HAZARDS IDENTIFICATION

# 2.1 Classification of the substance or mixture

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

Flammable liquids, Category 2	H225
Eye irritation, Category 2	H319

# 2.2 Label elements

 Labelling (REGULATION (EC) No 1272/2008)

 Hazard pictograms



Signal Word	: Danger	
Hazard Statements	: H225 H319	Highly flammable liquid and vapour. Causes serious eye irritation.
Precautionary Statements	: <b>Prevention:</b> P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P280e	Wear eye protection/face protection.

# 2.3 Other hazards

# None known.

Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

# 3.2 Mixtures

# Hazardous components

Chemical Name	CAS-No.	Classification	Concentration
	EC-No.	REGULATION (EC) No 1272/2008	: [%]
	REACH No.		
ethanol	64-17-5	Flammable liquids Category 2; H225	>= 50 - <=
	200-578-6	Serious eye damage/eye irritation	100
	01-2119457610-43	Category 2; H319	
		Serious eye damage/eye irritation	
		Category 2A	
		50 - 100 %	
Isopropyl Alcohol	67-63-0	Flammable liquids Category 2; H225	>= 1 - < 2.5
	200-661-7	Eye irritation Category 2; H319	
	01-2119457558-25	Specific target organ toxicity - single	
		exposure Category 3; H336	
Poly(oxy-1,2-ethanediyl),	94667-33-1	Acute toxicity Category 4; H302	>= 0.1 - <
α-[2-	01-2119950327-36	Skin corrosion Sub-category 1B; H314	0.25
(didecylmethylammonio)et	0	Acute aquatic toxicity Category 1; H400	0.20
hyl]-ω-hydroxy-, propanoate		Chronic aquatic toxicity Category 1; H410	
propanoato		M = 10	
		M(Chronic) = 1	
For the full text of the H-S	Statements mentioned	in this Section, see Section 16.	•
tion: 4. FIRST AID MEA			

# 4.1 Description of first aid measures

In case of eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.
In case of skin contact	:	Rinse with plenty of water.
If swallowed	:	Rinse mouth. Get medical attention if symptoms occur.
If inhaled	:	Get medical attention if symptoms occur.

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

See Section 11 for more detailed information on health effects and symptoms.

# 4.3 Indication of immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

Section: 5	FIREFIGHTING	MEASURES
------------	--------------	----------

### 5.1 Extinguishing media

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
Unsuitable extinguishing media	: High volume water jet	

# 5.2 Special hazards arising from the substance or mixture

	pecific hazards during refighting	:	Fire Hazard Keep away from heat and sources of ignition. Flash back possible over considerable distance. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
	azardous combustion roducts	:	Depending on combustion properties, decomposition products may include following materials: Carbon oxides nitrogen oxides (NOx)
5.3 Advice for firefighters			
	pecial protective equipment or firefighters	:	Use personal protective equipment.
F	urther information	:	Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

# Section: 6. ACCIDENTAL RELEASE MEASURES

# 6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel	:	Remove all sources of ignition. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
Advice for emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

# 6.2 Environmental precautions

# 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	:	Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.
		material to ensure runoff does not reach a waterway.

# 6.4 Reference to other sections

See Section 1 for emergency contact information. For personal protection see section 8. See Section 13 for additional waste treatment information.

### Section: 7. HANDLING AND STORAGE

# 7.1 Precautions for safe handling

Advice on safe handling :	Avoid contact with skin and eyes. Use only with adequate ventilation. Handle at room temperature. Keep away from fire, sparks and heated surfaces. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Wash hands thoroughly after handling. Open drum carefully as content may be under pressure. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).
Hygiene measures :	Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling.

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

Requirements for storage areas and containers	:	Keep away from heat and sources of ignition. Keep in a cool, well- ventilated place. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.
Storage temperature	:	5 °C to 25 °C

# 7.3 Specific end uses

# Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# 8.1 Control parameters

# **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
ethanol	64-17-5	TWA	500 ppm 950 mg/m3	FOR-2011-12- 06-1358
Isopropyl Alcohol	67-63-0	TWA	100 ppm 245 mg/m3	FOR-2011-12- 06-1358

# DNEL

Isopropyl Alcohol	: End Use: Workers Exposure routes: Dermal Potential health effects: Long-term systemic effects
	888 mg/kg End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 500 mg/m3
	End Use: Consumers Exposure routes: Dermal Potential health effects: Long-term systemic effects 319 mg/kg
	End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 89 mg/m3
	End Use: Consumers Exposure routes: Ingestion Potential health effects: Long-term systemic effects 26 mg/kg

# PNEC

PNEC	
Isopropyl Alcohol	: Fresh water Value: 140.9 mg/l
	Marine water Value: 140.9 mg/l
	Intermittent use/release Value: 140.9 mg/l
	Fresh water
	Value: 552 mg/kg Marine sediment
	Value: 552 mg/kg Soil
	Value: 28 mg/kg
	Sewage treatment plant Value: 2251 mg/l
	Oral Value: 160 mg/kg

# 8.2 Exposure controls

# Appropriate engineering controls

Engineering measures :		Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.	
Individual protection measu	ires	5	
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling.	
Eye/face protection (EN 166)	:	Safety glasses with side-shields	
Hand protection (EN 374)	:	For prolonged or repeated contact use protective gloves.	
Skin and body protection (EN 14605)	:	No special protective equipment required.	
Respiratory protection (EN 143, 14387)	:	None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. Use certified respiratory protection equipment meeting EU requirements(89/656/EEC, (EU) 2016/425), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.A-P	

# **Environmental exposure controls**

General advice	: Consider the provision of containment around storage vessels.

# Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

# 9.1 Information on basic physical and chemical properties

Physical state	:	liquid
Colour	:	clear, colourless
Odour	:	odourized
рН	:	5.5 - 6.0, 100 %
Particle characteristics		
Assessment	:	not applicable
Particle size	:	not applicable
Particle Size Distribution	:	not applicable
Dustiness	:	not applicable
Specific surface area	:	not applicable
Surface charge/Zeta potential	:	not applicable
Shape	:	not applicable
Crystallinity	:	not applicable
Surface treatment /Coatings	:	not applicable
Flash point	:	22 °C
Odour Threshold	:	Not applicable and/or not determined for the mixture

Melting point/freezing point	: Not applicable and/or not determined for the mixture
Boiling point, initial boiling point and boiling range	: Not applicable and/or not determined for the mixture
Evaporation rate	: Not applicable and/or not determined for the mixture
Flammability	: Not applicable and/or not determined for the mixture
Upper explosion limit	: Not applicable and/or not determined for the mixture
Lower explosion limit	: Not applicable and/or not determined for the mixture
Vapour pressure	: Not applicable and/or not determined for the mixture
Relative vapour density	: Not applicable and/or not determined for the mixture
Density and / or relative density	: 0.898 - 0.904
Water solubility	: Not applicable and/or not determined for the mixture
Solubility in other solvents	: Not applicable and/or not determined for the mixture
Partition coefficient: n- octanol/water (log value)	: Not applicable and/or not determined for the mixture
Auto-ignition temperature	: Not applicable and/or not determined for the mixture
Thermal decomposition	: Not applicable and/or not determined for the mixture
Viscosity, kinematic	: Not applicable and/or not determined for the mixture
Explosive properties	: Not applicable and/or not determined for the mixture
Oxidizing properties	: Not applicable and/or not determined for the mixture

# 9.2 Other information

Not applicable and/or not determined for the mixture

# Section: 10. STABILITY AND REACTIVITY

# 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Stable under normal conditions.

# 10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

Heat, flames and sparks.

# 10.5 Incompatible materials

None known.

# **10.6 Hazardous decomposition products**

Depending on combustion properties, decomposition products may include following materials:

Carbon oxides nitrogen oxides (NOx)

# Section: 11. TOXICOLOGICAL INFORMATION

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

Information on likely routes of : Inhalation, Eye contact, Skin contact exposure

# Product

Acute oral toxicity	: There is no data available for this product.	
Acute inhalation toxicity	: There is no data available for this product.	
Acute dermal toxicity	: There is no data available for this product.	
Skin corrosion/irritation	: There is no data available for this product.	
Serious eye damage/eye irritation	: There is no data available for this product.	
Respiratory or skin sensitization	: There is no data available for this product.	
Carcinogenicity	: There is no data available for this product.	
Reproductive effects	: There is no data available for this product.	
Germ cell mutagenicity	: There is no data available for this product.	
Teratogenicity	: There is no data available for this product.	
STOT - single exposure	: There is no data available for this product.	
STOT - repeated exposure	: There is no data available for this product.	
Aspiration toxicity	: There is no data available for this product.	
Components		
Acute oral toxicity	: ethanol LD50 rat: 10,470 mg/kg	
	Isopropyl Alcohol LD50 rat: 5,840 mg/kg	
	Poly(oxy-1,2-ethanediyl), α-[2-(didecylmethylammonio)ethyl]-α hydroxy-, propanoate LD50 rat: 1,157 mg/kg	<b>υ</b> -
Components		
Acute inhalation toxicity	: ethanol 4 h LC50 rat: 117 mg/l Test atmosphere: vapour	
	Isopropyl Alcohol 4 h LC50 rat: > 30 mg/l Test atmosphere: vapour	
Components		

Aguto dormal taxisity	there I DE0 rephits 15 200 mg//g
Acute dermal toxicity	: ethanol LD50 rabbit: 15,800 mg/kg
	Isopropyl Alcohol LD50 rabbit: 12,870 mg/kg
	Poly(oxy-1,2-ethanediyl), $\alpha$ -[2-(didecylmethylammonio)ethyl]- $\omega$ -hydroxy-, propanoate LD50 rabbit: 3,342 mg/kg
Potential Health Effects	
Eyes	: Causes serious eye irritation.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Health injuries are not known or expected under normal use.
Chronic Exposure	: Health injuries are not known or expected under normal use.
Experience with human exposure	
Eye contact	: Redness, Pain, Irritation
Skin contact	: No symptoms known or expected.
Ingestion	: No symptoms known or expected.
Inhalation	: No symptoms known or expected.
11.2 Information on other hazards	
Further information	: no data available
Section: 12. ECOLOGICAL INFORMATION	
12.1 Toxicity	
Environmental Effects	: This product has no known ecotoxicological effects.
Product	
Toxicity to fish	: no data available
Toxicity to daphnia and other aquatic invertebrates	: no data available
Toxicity to algae	: no data available
Components	
Toxicity to fish	: ethanol96 h LC50 Pimephales promelas (fathead minnow): > 100 mg/l
	Isopropyl Alcohol96 h LC50 Pimephales promelas (fathead minnow): 9,640 mg/l

Poly(oxy-1,2-ethanediyl),  $\alpha$ -[2-(didecylmethylammonio)ethyl]- $\omega$ -hydroxy-, propanoate96 h LC50 Lepomis macrochirus (Bluegill sunfish): 0.52 mg/l

# Components

Toxicity to daphnia and other aquatic invertebrates	<ul> <li>ethanol48 h EC50 Aquatic Invertebrate: 857 mg/l</li> <li>Isopropyl Alcohol LC50 Daphnia magna (Water flea): &gt; 10,000 mg/l</li> </ul>
	Poly(oxy-1,2-ethanediyl), α-[2-(didecylmethylammonio)ethyl]-ω- hydroxy-, propanoate48 h EC50 Daphnia magna (Water flea): 0.07 mg/l
Components	
Toxicity to algae	<ul> <li>Poly(oxy-1,2-ethanediyl), α-[2-(didecylmethylammonio)ethyl]-ω- hydroxy-, propanoate72 h EC50 Desmodesmus subspicatus (green algae): 0.15 mg/l</li> </ul>
12.2 Persistence and degradabilit	y
Droduct	

# Product no data available Components Biodegradability : ethanolResult: Readily biodegradable. Isopropyl AlcoholResult: Readily biodegradable. Poly(oxy-1,2-ethanediyl), α-[2-(didecylmethylammonio)ethyl]-ω-hydroxy-, propanoateResult: Poorly biodegradable

### 12.3 Bioaccumulative potential

no data available

# 12.4 Mobility in soil

no data available

# 12.5 Results of PBT and vPvB assessment

### Product

Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### **12.6 Endocrine disrupting properties**

no data available

### 12.7 Other adverse effects

no data available

### Section: 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with the European Directives on waste and hazardous waste.Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

# 13.1 Waste treatment methods

Product	: Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of contents/container in accordance with local regulations Dispose of wastes in an approved waste disposal facility.
Contaminated packaging	: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.
Guidance for Waste Code selection	: Organic wastes containing dangerous substances. If this product is used in any further processes, the final user must redefine and assign the most appropriate European Waste Catalogue Code. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable European (EU Directive 2008/98/EC) and local regulations.

# Section: 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (ADR/ADN/RID) 14.1 UN number or ID	: 3175	
number		
14.2 UN proper shipping name	: SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.	
	(Ethanol)	
14.3 Transport hazard class(es)	: 4.1	
14.4 Packing group	: 11	
14.5 Environmental hazards	: No	
14.6 Special precautions for user	: None	
Air transport (IATA)		
14.1 UN number or ID number	: 3175	
14.2 UN proper shipping name	: Solids containing flammable liquid, n.o.s.	
	(Ethanol)	
14.3 Transport hazard class(es)	: 4.1	
14.4 Packing group	: 11	
14.5 Environmental hazards	: No	
14.6 Special precautions for user	: None	
Sea transport (IMDG/IMO)		
14.1 UN number or ID	: 3175	
number		
14.2 UN proper shipping	: SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.	

name	
	(Ethanol)
14.3 Transport hazard	: 4.1
class(es)	
14.4 Packing group	: 11
14.5 Environmental hazards	: No
14.6 Special precautions for	: None
user	
14.7 Maritime transport in	: Not applicable.
bulk according to IMO	
instruments	

# Section: 15. REGULATORY INFORMATION

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

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of majoraccident hazards involving dangerous substances.

FLAMMABLE LIQUIDS P5c Lower tier : 5,000 t Upper tier : 50,000 t

### National Regulations

### Take note of Dir 94/33/EC on the protection of young people at work.

:

Other regulations

: Health and Safety at Work Act.

### **15.2 Chemical Safety Assessment**

Information from the chemical safety assessment of substances present in the product is included in the appropriate sections of this safety data sheet, whenever necessary.

### Section: 16. OTHER INFORMATION

# Procedure used to derive the classification according to REGULATION (EC) No 1272/2008

Classification	Justification
Flammable liquids 2, H225	Based on product data or assessment
Eye irritation 2, H319	Calculation method

### Full text of H-Statements

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN -

Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA -International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 -Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose): MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIOC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN -United Nations; vPvB - Very Persistent and Very Bioaccumulative

Prepared by

: Regulatory Affairs

Numbers quoted in the MSDS are given in the format: 1,000,000 = 1 million and 1,000 = 1 thousand. 0.1 = 1 tenth and 0.001 = 1 thousandth

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

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