

# VINCENTS POLYLINE SIA

## PRODUCT SAFETY DATA SHEET / INFORMATION ON CHEMICAL SUBSTANCE OR PRODUCT

pursuant to Regulations (EC) of the European Parliament and of the Council 830/2015, dated 28 May, 2015 and No. 1907/2006, dated 18 December, 2006.

Date: 17 March, 2020

### STERILSPRAY UNIVERSAL SURFACE DISINFECTANT.

Version No. 1.0

Print date: 16.04.2020

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND ENTERPRISE/COMPANY

- 1.1. Product identification:** "STERILSPRAY"
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:** An efficient universal surface disinfectant that is designed to disinfect various surfaces (furniture, devices, work surfaces, tools, floors, etc.) and objects in residential, public, and industrial premises and areas.  
Use in accordance with the instruction developed by the company.
- 1.3. Information on the supplier of Safety Data Sheet**
- 1.3.1. Manufacturer/importer: SIA Vincents Polyline
- 1.3.2. Register of Enterprises registration number: 40003358071
- 1.3.3. Full address: Cīruļu iela 29, Kalngale,  
Carnikavas nov., LV-2163
- Phone/fax: +371-67903272/+371-67903370
- E-mail: [polyline@polyline.vincents.lv](mailto:polyline@polyline.vincents.lv)
- Responsible person/ Data Issuer:
- 1.4. Emergency telephone number:** For emergency care: 113  
For rescue service: 112  
Poisoning and Drug Information Centre:  
+371-67042468 (on a 24-hour basis)

## 2. HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture

In accordance with the Regulation (EC) No. 1272/2008:

Flam. Liq. 3; H226  
Skin Irrit. 2; H315  
Eye Irrit. 2; H319

### 2.2. Label elements

GHS pictograms:



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Signal word:	Attention.
Hazard designations:	H226 – Flammable liquid and vapour H315 – Causes skin irritation H319 – 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. P233 - Keep container tightly closed. P240 - Ground/bond containers and receiving equipment. P241 - Use explosion-proof electrical equipment. P242 - Use non-sparking tools. P243 - Take action to prevent static discharges. P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves/eye protection/face protection. <b>Reaction:</b> P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. P303 + P361 + P353 - IF ON SKIN (or hair): Immediately take off all contaminated clothing. Rinse the skin with water. P305 + P351 + P338 IF IN CONTACT WITH EYES: Rinse carefully with water for several minutes. Remove contact lenses, if they are present and it is easy to do so. Continue rinsing. P332 + P313 - If skin irritation occurs: seek medical help. P337 + P313 – If eye irritation persists: seek medical help. P362 + P364 - Take off contaminated clothing and wash before reuse. P370 + P378 - In case of fire: Use powder, CO <sub>2</sub> , foam fire extinguishers to extinguish fire. <b>Storage:</b> P403 + P235 - Store in a well-ventilated premises. Keep cool. <b>Disposal:</b> P501 - Dispose of contents/container in accordance with national regulations.
<b>2.3. Other hazards:</b>	Combustion may result in the release of irritating and highly toxic gases, nitrogen oxides, halogenated compounds. Didecyldimethylammonium chloride: 0.5 - 1.0% Isopropanol <10%

## 3. COMPOSITION OF / INFORMATION ON INGREDIENTS

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#### 3.2. Mixtures

Chemical characteristics: Mixture

Hazardous components of the mixture:

Chemical name	CAS No./ EC No./ REACH Registration Number	Classification (REGULATION (EC) No. 1272/2008)	Concentration, %
Didecyldimethylammonium chloride	7173-51-5/ 230-525-2/	 Hazardous Acute Tox. 4; H302 Skin Corr. 1B; H314	0.5 - 1.0
Isopropanol	67-63-0/ 200-661-7/	 Hazardous Flam. Liq. 2; H225 Eye Irrit. 2, H319 STOT SE 3; H335	10.0

#### 4. FIRST AID MEASURES

##### 4.1. Description of first aid measures

Inhalation:	Take the victim to an area with fresh air. If breathing is difficult, give oxygen or artificial respiration. Consult a physician.
Skin contact:	Take off contaminated clothing and footwear. Wash skin with soap and water.
Eye contact:	Rinse carefully with water for several minutes. Remove contact lenses, if they are present and it is easy to do so. Continue rinsing. Protect the intact eye. Get medical help, if required.
Ingestion:	Rinse your mouth and drink plenty of water. If the victim is unconscious, nothing should be given to the victim. Do not induce vomiting. Contact a physician.

##### 4.2. Most important symptoms and effects – acute and delayed

Symptoms: The specific features are unknown

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#### 4.3. Indication of the need for immediate medical attention and special treatment

Therapy: Symptomatic therapy

### 5. FIRE EXTINGUISHING MEASURES

#### 5.1. Fire extinguishing devices

Suitable fire extinguishing devices: Powder fire extinguishers, foam, carbon dioxide, dry chemical. Spraying water can be used to cool down hot containers.

#### 5.2. Specific hazards arising from the substance or mixture

Special hazards during fire: Combustion or heating of the substance may result in the release of irritating and toxic gases, nitrogen oxides, halogenated compounds.

#### 5.3. Advice for firefighters

Special protective equipment: Firefighters should wear a full-pressure, self-contained breathing apparatus for safety.

Additional information: Wear all personal protective equipment while fire fighting.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment, and procedures for emergency situations:

Wear suitable personal protective equipment as indicated in Section 8.3. Provide adequate supply-exhaust ventilation.

Persons not trained in emergency situations: Do not perform any activities without proper training or activities that may pose any personal risk.

For emergency responders: Wear personal protective equipment. Ensure adequate ventilation.

#### 6.2. Environmental safety measures:

Avoid contact of product with soil, sewerage, and bodies of water. If the product enters a body of water, inform the respective authorities. No special environmental precautions are required.

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#### 6.3. Methods and materials for containment and cleaning up:

Pick up the mixture with absorbent material (sand, earth, sorbent) and release for disposal as waste. Flush the contaminated area with plenty of water.

#### 6.4. Reference to other sections:

For personal protection, see section 8. For information on the disposal of substance or packaging, see Section 13.

## 7. HANDLING AND STORAGE

#### 7.1. Precautions for safe handling:

See Section 8 for information on personal protection measures of personnel.

Advice for safe handling:

Do not inhale vapours and do not administer the mixture orally. Use personal protective equipment when working. Wash your hands before breaks and at the end of work.

Advice on protective measures against fire and explosion:

Keep away from sources of ignition and heat. Irritating and toxic gases may be emitted as a result of burning or heating.

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

Store in dry, dark, fireproof premises in tightly closed original containers at temperatures of + 5 to + 30 °C.

#### 7.3. Specific type (s) of end use (s):

Not applicable.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1. Control parameters:

Applicable occupational exposure limit values:

Not determined for the mixture (water solution of substances)

Applicable occupational exposure limit values of components:

Ingredient	CAS No.	Value	Management parameters	Specification	Base
Isopropanol	67-63-0	OEL 8 h	350 mg/m <sup>3</sup>	2007-05-18	LV OEL
		Short term OEL	600 mg/m <sup>3</sup>	2007-05-18	LV OEL

#### 8.2. Exposure management

Adequate technical management:

Ensure good ventilation and personal protective equipment. See also Section 7.

Personal protective equipment

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Respiratory protection:	Use a respirator when spraying the mixture in poorly ventilated premises.
Skin protection:	
Hand protection:	Wear gloves, for instance, made of nitrile rubber material
Body protection:	Protective work clothing and protective footwear.
Eye/face protection:	Safety glasses with side shields;
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks (after the use of the product) and at the end of the working day.
Environmental risk management:	Do not dispose of the product into groundwater or surface water. See also Sections 6 and 12.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance:	
Physical form:	Liquid
Colour:	Colourless
Odour:	Specific alcohol (isopropanol) odour
Odour threshold:	No information available
pH:	7.0 – 9.0
Melting point / freezing point:	Not applicable
Boiling point and boiling range:	No information available
Flash point:	Approximately 35°C (calculations)
Evaporation rate:	Not determined
Flammability (liquids)	Flammable liquid and vapour

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Upper/lower flammability or explosive limits:	Not determined
Vapour pressure:	Not determined
Vapor density:	Not indicated
Density:	< 1.0 g cm <sup>-3</sup> (20 °C)
Solubility:	Mixes in all proportions
Partition coefficient (n-octanol/ water):	N.D.A.
Auto-ignition temperature:	Not determined
Decomposition temperature:	N.D.A.
Viscosity:	Water
Explosion hazard:	Not determined
Oxidizing properties	N.D.A.

#### 9.2. Other information

### 10. STABILITY AND REACTIVITY

10.1. Reactivity	Stable under normal conditions.
10.2. Chemical stability	Stable under recommended storage conditions.
10.3. Probability of hazardous reactions:	None, if used as directed.
10.4. Conditions to be avoided:	Heating, flames, sparks.
10.5. Incompatible materials:	Strong acids, strong oxidizing and reducing agents.
10.6. Hazardous decomposition products:	None, if used as directed. Combustion or heating of the substance may result in the release of irritating and toxic gases, nitrogen oxides, halogenated compounds.

### 11. TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects Toxicological data of the components:

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#### Didecyldimethylammonium chloride

Acute toxicity:	
Orally:	LD <sub>50</sub> (rat): = 238 mg kg <sup>-1</sup>
Corrosion/irritation of skin:	Species: Rabbit The result: Causes burns Method: OECD Test Guideline 404.
Serious eye damage / eye irritation:	No data available
Respiratory or skin sensitisation:	Buehler test Species: Guinea pig Result: negative Method: OECD Test Guideline 406.
Reproductive toxicity:	Ames test Result: negative Method: OECD Test Guideline 471.  In vitro chromosome aberration test Result: negative Method: OECD Test Guideline 473.
Carcinogenicity:	Not classified due to data that is conclusive but insufficient for classification.
Target organ toxicity, single exposure:	Not classified due to data that is conclusive but insufficient for classification.
Target organ toxicity, repeated exposure:	Not classified due to data that is conclusive but insufficient for classification.
Hazard upon inhalation:	Not classified due to data that is conclusive but insufficient for classification.

#### Toxicological data of the components:

##### Isopropanol:

Acute toxicity:	
Orally:	LD <sub>50</sub> (rat): = 5,840 mg kg <sup>-1</sup>
Upon inhalation:	LC <sub>50</sub> (rat): => 10,000 ppm



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Corrosion/irritation of skin:	Species: Rabbit The result: Does not cause skin irritation Literature data
Serious eye damage / eye irritation:	Species: Rabbit The result: Irritating to eyes Method: OECD Test Guideline 405. Literature data
Respiratory or skin sensitisation:	Buehler test Species: Guinea pig Result: Does not cause skin sensitisation Method: OECD Test Guideline 406. Literature data
Reproductive toxicity:	Ames test Bacteria Result: negative Method: OECD Test Guideline 471. Literature data
Target organ toxicity, single exposure:	Routes of exposure: Inhalation, ingestion may cause drowsiness or vertigo.

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Toxicological information of the ingredient:

##### Didecyldimethylammonium chloride:

Toxicity to fish	LC <sub>50</sub> : > 0.1 - 1 mg/l Exposure time 96 h Species: Danio rerio (Zebrafish) Method OECD Test Guideline 203.
Toxicity to daphnia and other aquatic invertebrates	EC <sub>50</sub> : 0.01 – 0.1 mg/L Exposure time 48 h Species: Daphnia magna (Daphnia) Method OECD Test Guideline 202.
Toxicity to algae	EC <sub>50</sub> : 0.01 – 0.1 mg/L Exposure time 72 h Species: Pseudokirchneriella subcapitata (green microalgae) Method OECD Test Guideline 201.

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#### Isopropanol

Toxicity to fish	LC <sub>50</sub> : > 1,400 mg/l Exposure time 96 h Species: Lepomis macrochirus (bluegill)
Toxicity to daphnia and other aquatic invertebrates	EC50: 2,285 mg/l Exposure time 48 h Species: Daphnia magna (Daphnia)

#### 12.2. Stability and capacity to decompose

Biodegradability: The product contains only easily biodegradable substances.

Bioaccumulation potential: N.D.A.

#### 12.3. Mobility in soil:

12.4. Distribution among environmental compartments: No information available

#### 12.5. Results of PBT and vPvB assessment

Rating: This mixture is not considered to be persistent, bioaccumulative and toxic (PBT).  
This mixture is not considered to be very persistent and very bioaccumulative (vPvB).

12.6. Other negative consequences and additional information: No information available.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1. Considerations on processing methods

Product: Avoid discharge of mixture into sewerage. Prevent or reduce waste production wherever possible. Residue of the product may remain on containers or packing spacers. Dispose of this material or product and its container in a safe way. Return unused and non-recyclable products to an accredited waste disposal services for disposal. Dispose of this product in compliance with environmental protection regulations, waste disposal regulations, and local government regulations. Do not perforate the packaging.

Packaging: Dispose of as an unused product. Empty, non-contaminated containers or tanks may be reused. Packages which cannot be cleaned must be disposed of in the same way as the respective

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substances. Completely emptied small packages can be disposed of as household waste.

#### 14. TRANSPORTATION INFORMATION

14.1. UN number:	UN 1219
14.2. UN shipping name:	Isopropanol, flammable
14.3. Transport hazard class(es):	3 
14.4. Packing group:	II
14.5. Environmental hazards:	No information
14.6. Special precautions for users:	See Chapter 7 of the SDS
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:	Not applicable

#### 15. REGULATORY INFORMATION

15.1. Safety, health, and environmental regulations/legislation specific for the substances or mixtures:	<p>The Safety Data Sheet has been drawn up in accordance with Commission Regulation (EC) No. 830/2015.</p> <p>The labelling and classification have been developed in accordance with Regulation (EC) No. 1272/2008 (16 December, 2008) of the European Parliament and of the Council on classification, labelling, and packaging of substances and mixtures, as well as in accordance with Regulation (EC) No. 1907/2006 of the European Parliament and of the Council (REACH). Regulation (EU) No. 528/2012 of the European Parliament and of the Council (22 May, 2012) concerning the making available on the market and the use of biocidal products and Cabinet Regulation No. 628 of 27 August, 2013, <i>Requirements in Relation to Activities with Biocidal Products</i>.</p> <p>Hazardous waste management in Latvia is performed in accordance with <i>Waste Management Law</i> of 28 October, 2010, and the law of 16 December, 2010, <i>Amendments to Waste Management Law</i>, Cabinet Regulation No. 484 of 21 June, 2011, <i>Procedure for the Record Keeping, Identification, Storage, Packing, Marking and Keeping of Transport Records of Hazardous Waste</i> and Cabinet Regulation No. 795 of 22 December, 2015, <i>Procedures for</i></p>
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Registration of Chemical Substances and Mixtures and Their Database, and Cabinet Regulation No. 302 (19 April, 2011) *Regulations on Waste Classification and the Properties that Make Waste Hazardous.*

Transportation information has been developed in accordance with the UN European Agreement concerning the International Carriage of Dangerous Goods by Road, in effect since 1 January, 2011, in accordance with Annex 1 to Appendix B of the Convention on International Rail Transportation (in effect since 1 January, 2011).

#### 15.2. Chemical safety assessment:

The safety assessment has been performed for the individual components of the mixture. The safety assessment of the mixture was based on the concentration of the components in the finished product (by calculation method) and on the basis of literature data.

## 16. REGULATORY INFORMATION

#### 16.1. Elsewhere unspecified hazard of the substance:

##### Decoding of warning phrases (see sections 2 and 3)

**H226** Flammable liquid and vapour.  
**H315** Causes skin irritation.  
**H319** Causes serious eye irritation.

##### Decoding of hazard classes (see sections 2 and 3)

**Flam. Liq. 3** Flammable liquids, Category 3  
**Skin Irrit. 2** skin irritant, Category 2  
**Eye Irrit. 2** serious eye irritant, Category 2.

**Abbreviations:** 67/548/EEC = Dangerous Substances Directive. 1999/45/EC = Dangerous Preparations Directive. EC Regulation No. 1272/2008 = Regulation on classification, labelling, and packaging of substances and mixtures. IATA = International Air Transport Association. IMDG = International Maritime Dangerous Goods Code. RID = Regulation concerning the International Carriage of Dangerous Goods by Rail. ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road. TWA = time-weighted average. STEL = Short term exposure limit.

C – Concentration. OEL - Occupational Exposure Limit, 8 h; LC<sub>50</sub> - Mean lethal concentration; LD<sub>50</sub> - Mean Lethal Dose, EC<sub>50</sub> - Effective Concentration, N.D.A. - No data available; vPvB - very persistent, very bioaccumulative chemicals; PBT - Persistent, Bioaccumulative, Toxic Chemicals.

The information provided in this Safety Data Sheet is a compilation of all information available to us at the time of publication. The information provided is for the sole purpose of safe handling, use, recycling, storage, transportation, and disposal and not as a quality assurance guarantee or quality certification, since the above

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operations with the product are beyond our control. The information is specific to the particular product in question  
and in no case applies to the product used with any other material.