

# Elvedes Disc Cleaner Safety Data Sheet

## 1 Identification of the substance/mixture and of the company/undertaking

### 1.1 Product Identifier

Elvedes Disc Cleaner, item no. 2016020

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

Aerosols

Concentration in use: /

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

**Elvedes Cable Systems B.V.**

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### 1.4 Emergency telephone number

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## 2 Hazards identification

### 2.1 Classification of the substance or mixture

Classification of the substance or mixture in accordance with regulation (EC) 1272/2008:

**H222 Flam. Aerosol 1**

**H229**

**H315 Skin Irrit. 2**

**H336 STOT SE3**

**H411 Aquatic Chronic 2**

### 2.2 Label elements

Pictograms:



GHS02



GHS07



GHS09

Signal word:

Danger

Hazard statements:

**H222 Flam. Aerosol 1:** Extremely flammable aerosol.

**H229:** Pressurised container: May burst if heated.

**H315 Skin Irrit. 2:** Causes skin irritation.

**H336 STOT SE 3:** May cause drowsiness or dizziness.

**H411 Aquatic Chronic 2:** Toxic to aquatic life with long lasting effects.

Precautionary statements:

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

**P251:** Do not pierce or burn, even after use.

**P273:** Avoid release to the environment.

**P362+P364:** Take off contaminated clothing and wash it before reuse.

**P403+P233:** Store in a well-ventilated place. Keep container tightly closed.

**P410+P412:** Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.

Contains:  
 Hydrocarbons, C6, iso-alkanes, <5% n-hexane  
 Hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic

## 2.3 Other hazards

None

## 3 Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Identifier	%	Classification
		Regulation (EC) No. 1272/2008 [CLP]
<b>Hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic</b>		<b>H225 Flam. Liq. 2</b> <b>H304 Asp. Tox. 1</b> <b>H315 Skin Irrit. 2</b> <b>H336 STOT SE 3</b> <b>H411 Aquatic Chronic 2</b>
EC no. : 927-510-4 REACH Registration no. : 01-2119475515-33	> 30	
<b>Hydrocarbons, C6, iso-alkanes, &lt; 5% n-hexane</b>		<b>H235 Flam. Liq. 2</b> <b>H304 Asp. Tox. 1</b> <b>H315 Skin Irrit. 2</b> <b>H336 STOT SE 3</b> <b>H411 Aquatic Chronic 2</b>
EC no. : 931-254-9 REACH Registration no. : 01-2119484651-34	> 30	
<b>Carbon dioxide</b>		
CAS no. : 124-38-9 EC no. : 204-696-9	5 - 15	
<b>Isopropanol</b>		<b>H225 Flam. Liq. 2</b> <b>H319 Eye Irrit. 2</b> <b>H336 STOT SE 3</b>
CAS no. : 67-63-0 EC no. : 200-661-7 REACH Registration no. : 01-2119457558-25	< 5	
<b>n-Hexane</b>		<b>H225 Flam. Liq. 2</b> <b>H304 Asp. Tox. 1</b> <b>H315 Skin Irrit. 2</b> <b>H336 STOT SE 3</b> <b>H361f Repr. 2</b> <b>H373 STOT RE 2</b> <b>H411 Aquatic Chronic 2</b>
CAS no. : 110-54-3 EC no. : 203-777-6	< 5	
<b>Cyclohexane</b>		<b>H225 Flam. Liq. 2</b> <b>H304 Asp. Tox. 1</b> <b>H315 Skin Irrit. 2</b> <b>H336 STOT SE 3</b> <b>H400 Aquatic Acute 1</b> <b>H410 Aquatic Chronic 1</b>
CAS no. : 110-82-7 EC no. : 203-806-2	< 5	

For the full text of the H, R and EUH phrases mentioned in this section, see section 16.

## 4 First aid measures

### 4.1 Description of first aid measures

Always ask medical advice as soon as possible, should serious or continuous disturbances occur.

**Skin contact:** Remove contaminated clothing, rinse with plenty of water, if necessary seek medical attention.

**Eye contact:** First prolonged rinsing with water (contact lenses to be removed if this is easily done), then take to physician

**Ingestion:** Rinse mouth, do not induce vomiting, take to hospital immediately.

**Inhalation:** Let sit upright, fresh air, rest and take to hospital.

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

**Skin contact:** Redness, pain

**Eye contact:** Redness, pain, bad vision

**Ingestion:** Diarrhoea, headache, abdominal cramps, sleepiness, vomiting

**Inhalation:** Sore throat, cough, shortness of breath, headache

4.3 Indication of any immediate medical attention and special treatment needed  
None

## 5 Fire-fighting measures

5.1 Extinguishing media  
CO<sub>2</sub>, foam, powder, sprayed water

5.2 Special hazards arising from the substance or mixture  
None

5.3 Advice for firefighters  
**Extinguishing agents to be avoided:** None

## 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures  
Do not walk into or touch spilled substances and avoid inhalation of fumes, smoke, dusts and vapours by staying up wind. Remove any contaminated clothing and used contaminated protective equipment and dispose of it safely.

6.2 Environmental precautions  
Do not allow to flow into sewers or open water.

6.3 Methods and material for containment and cleaning up  
Contain released substance, store into suitable containers. If possible, remove by using absorbent material.

6.4 Reference to other sections  
For further information, check sections 8 and 13.

## 7 Handling and storage

7.1 Precautions for safe handling  
Handle with care to avoid spillage

7.2 Conditions for safe storage, including any incompatibilities  
Keep in a sealed container in a closed, frost-free, ventilated room

7.3 Specific end use(s)  
Aerosols

## 8 Exposure controls/personal protection

8.1 Control parameters  
Listing of the hazardous ingredients in section 3, of which the TLV value is known:

Carbon dioxide 9,131 mg/m<sup>3</sup>  
Isopropanol 997 mg/m<sup>3</sup>  
Hydrocarbons, C6, iso-alkanes, <5% n-hexane 903 mg/m<sup>3</sup>  
Hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic 903mg/m<sup>3</sup>  
Cyclohexane 350 mg/m<sup>3</sup>  
n-Hexane 72 mg/m<sup>3</sup>

### 8.2 Exposure controls

**Inhalation protection** If necessary, use an air-purifying face mask in case of respiratory hazards.



M016

**Skin protection**

Handling with nitril-gloves (EN 374). Breakthrough time: >480'. Material thickness: 0,35mm. Thoroughly check gloves before use. Take off the gloves properly without touching the outside with bare hands. The manufacturer of the protective gloves has to be consulted about the suitability for a specific work station. Wash and dry hands.



M009

**Eye protection**

Keep an eye-rinse bottle within reach. Tight-fitting safety goggles. Wear a face shield and protective suit in case of exceptional processing problems.



M004

**Other protection**

Impermeable clothing. The type of protective equipment depends on the concentration and amount of hazardous substances at the work station in question.



M010

## 9 Physical and chemical properties

### 9.1 Information and basic physical and chemical properties

<b>Melting point/melting range:</b>	/
<b>Boiling point/boiling range:</b>	-57 °C – 95 °C
<b>pH:</b>	/
<b>pH 1% diluted in water:</b>	/
<b>Vapour pressure, 20 °C:</b>	19 000 Pa
<b>Vapour density:</b>	not applicable
<b>Relative density, 20 °C:</b>	0,780 kg/l
<b>Appearance, 20 °C:</b>	liquid
<b>Flash point:</b>	-20 °C
<b>Flammability (solid, gas):</b>	not applicable
<b>Auto-ignition temperature:</b>	370 °C
<b>Upper flammability or explosive limit (vol %):</b>	12,000%
<b>Lower flammability or explosive limit (vol %):</b>	1,100%
<b>Explosive properties:</b>	not applicable
<b>Oxidising properties:</b>	not applicable
<b>Decomposition temperature:</b>	/
<b>Solubility in water:</b>	not soluble
<b>Partition coefficient n-octanol/water:</b>	not applicable
<b>Odour:</b>	characteristic
<b>Odour threshold:</b>	not applicable
<b>Dynamic viscosity, 20 °C:</b>	1 mPa·s
<b>Kinematic viscosity, 20 °C:</b>	1 mm <sup>2</sup> /s
<b>Evaporation rate (n-BuAc = 1):</b>	7,000

### 9.2 Other information

<b>Volatile organic component (VOC):</b>	94,00%
<b>Volatile organic component (VOC):</b>	852,000 g/l

## 10 Stability and reactivity

### 10.1 Reactivity

Stable under normal conditions.

### 10.2 Chemical stability

Avoid extremely high or low temperatures.

### 10.3 Possibility of hazardous reactions

None

### 10.4 Conditions to avoid

Protect from sunlight and do not expose to temperatures exceeding 50 °C.

### 10.5 Incompatible materials

Keep away from sources of ignition

### 10.6 Hazardous decomposition products

Does not decompose with normal use

## 11 Toxicological information

### 11.1 Information on toxicological effects

<b>H315 Skin Irrit. 2:</b>	Causes skin irritation.
<b>H336 STOT SE3:</b>	May cause drowsiness or dizziness.
<b>Calculated acute toxicity (ATE), oral:</b>	/
<b>Calculated acute toxicity (ATE), dermal:</b>	/

<b>Hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic</b>	LD <sub>50</sub> oral, rat: ≥ 5,000 mg/kg LD <sub>50</sub> dermal, rabbit: ≥ 5,000 mg/kg LD <sub>50</sub> inhalation, rat, 4h: ≥ 50 mg/l
<b>Hydrocarbons, C6, iso-alkanes, &lt;5% n-hexane</b>	LD <sub>50</sub> oral, rat: ≥ 5,000 mg/kg LD <sub>50</sub> dermal, rabbit: ≥ 5,000 mg/kg LD <sub>50</sub> inhalation, rat, 4h: ≥ 50 mg/l
<b>Carbon dioxide</b>	LD <sub>50</sub> oral, rat: 2,000 mg/kg LD <sub>50</sub> dermal, rabbit: ≥ 5,000 mg/kg LD <sub>50</sub> inhalation, rat, 4h: ≥ 50 mg/l
<b>Isopropanol</b>	LD <sub>50</sub> oral, rat: ≥ 5,000 mg/kg LD <sub>50</sub> dermal, rabbit: ≥ 5,000 mg/kg LD <sub>50</sub> inhalation, rat, 4h: ≥ 50 mg/l
<b>n-Hexane</b>	LD <sub>50</sub> oral, rat: ≥ 5,000 mg/kg LD <sub>50</sub> dermal, rabbit: ≥ 5,000 mg/kg LD <sub>50</sub> inhalation, rat, 4h: ≥ 50 mg/l
<b>Cyclohexane</b>	LD <sub>50</sub> oral, rat: ≥ 5,000 mg/kg LD <sub>50</sub> dermal, rabbit: ≥ 5,000 mg/kg LD <sub>50</sub> inhalation, rat, 4h: ≥ 50 mg/l

## 12 Ecological information

### 12.1 Toxicity

<b>Isopropanol</b>	LD <sub>50</sub> , fish: 10 000 mg/l LD <sub>50</sub> , daphnia, 24h: > 10 000 mg/l
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### 12.2 Persistence and degradability

No additional data available

### 12.3 Bioaccumulative potential

	Additional data
<b>Isopropanol</b>	Log Pow: 0,05

### 12.4 Mobility in soil

**Water hazard class, WGK:** 1  
**Solubility in water:** not soluble

### 12.5 Results of PBT and vPvB assessment

No additional data available

### 12.6 Other adverse effects

No additional data available

## 13 Disposal considerations

### 13.1 Waste treatment methods

Draining into the sewers is not permitted. Removal should be carried out by licensed services. Possible restrictive regulations by local authority should always be adhered to.

## 14 Transport information

### 14.1 UN number

1950

### 14.2 UN proper shipping name

UN 1950 Aerosols, flammable, 5F, (D)

### 14.3 Transport hazard class(es)

**Class(es):** 5F  
**Identification number of the hazard:** not applicable

### 14.4 Packing group

Not applicable

### 14.5 Environment hazards

Environmentally hazardous

## 14.6 Special precautions for user

**Hazard characteristics:** Risk of fire. Risk of explosion. Containments may explode when heated.  
**Additional guidance:** Take cover. Keep out of low areas.



ADR 2.1

## 15 Regulatory information

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

**Water hazard class, WGK:** 1  
**Volatile organic component (VOC):** 94,000%  
**Volatile organic component (VOC):** 852,000 g/l  
**Composition by regulation (EC) 648/2004:** Aliphatic hydrocarbons > 30%

### 15.2 Chemical Safety Assessment

No data available

## 16 Other information

### 16.1 Legend to abbreviations used in the safety data sheet

**ADR:** The European Agreement concerning the International Carriage of Dangerous Goods by Road  
**ADR 2.1:** Flammable gases  
**BCF:** Bioconcentration factor  
**CAS:** Chemical Abstracts Service  
**CLP:** Classification, Labelling and Packaging of chemicals  
**EINECS:** European Inventory of Existing Commercial chemical Substances  
**No.:** Number  
**PTB:** Persistent, Toxic, Bioaccumulative  
**TLV:** Threshold Limited Value  
**vPvB:** Very Persistent and very Bioaccumulative substances  
**WGK:** Water hazard class  
**WGK 1:** Slightly hazardous for water  
**WGK 2:** Hazardous for water  
**WGK 3:** Extremely hazardous for water

### 16.2 Legend to the H, R and EUH phrases used in the safety data sheet

**GHS:** Globally Harmonized System of Classification and Labelling of Chemicals  
**GHS02:** Flammable  
**GHS07:** Harmful  
**GHS09:** Environmental Hazard  
**H222 Flam. Aerosol 1:** Extremely flammable aerosol  
**H225 Flam. Liq. 2** Highly flammable liquid and vapour  
**H229:** Pressurised container: may burst if heated  
**H304 Asp. Tox. 1:** May be fatal if swallowed and enters airways  
**H315 Skin Irrit. 2:** Causes skin irritation  
**H319 Eye Irrit. 2** Causes serious eye irritation  
**H336 STOT SE 3:** May cause drowsiness or dizziness  
**H361f Repr. 2:** Suspected of damaging fertility  
**H373 STOT RE 2:** May cause damage to organs through prolonged or repeated exposure  
**H400 Aquatic Acute 1:** Very toxic to aquatic life  
**H410 Aquatic Chronic 1:** Very toxic to aquatic life with long lasting effects  
**H411 Aquatic Chronic 2:** Toxic to aquatic life with long lasting effects

### 16.3 Reason of revision, changes of following items:

Rebuilt to comply with company standard

### 16.4 MSDS reference number:

Based on ECM-104346,1

*This safety information sheet has been compiled in accordance with annex II/A of the regulation (EU) 2015/830. Classification has been calculated in accordance with European regulation (EG) no. 1272/2008 with their respective amendments. It has been compiled with utmost care. We cannot, however, accept responsibility for damage of any kind, that may be caused by using these data or the product concerned. To use this preparation for an experiment or a new application, the user must carry out a material suitability and safety study him-/herself.*