

**Date:** 2019-12-11 **Former date:**

This data sheet contains changes from the previous version ""

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

- 1.1 **Product identifier / Commercial Product Name:** DARK MATTER
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against:** None known.  
**Professional Use of the Substance/Preparation:** Eyelash glue  
**Chemical nature of the preparation:** Ethyl 2-cyanoacrylate with functional additives
- 1.3 **Details of the manufacturer / supplier of the safety data sheet:**  
**Address: Manufacturer, supplier:**  
 LASHTAG, Carlsonstraat 4c, 8263 CA Kampen, Netherlands, Telephone: +31 6 2695 29 87  
**Contact Person::** Mrs. Pauline Hendrikse, eMail: info@lashtag.nl  
**Responsible for the safety data sheet :**  
 CHEMCO123 @ – Chemical Consultancy, graduate chemist Rosemarie Fechner, Telephone: + 49 5221 6935980  
 e-mail address: info@chemco123.de
- 1.4 **Emergency telephone number:**  
 Emergency – Telephone of Company / Undertaking: +31 6 2695 29 87

## SECTION 2: Hazards identification

### 2.1 Classification:

Hazard Statement	Hazard Class and - Category
H315 – Causes skin irritation.	Skin Irrit. 2
H319 – Causes serious eye irritation.	Eye Irrit. 2
H335 – May cause respiratory irritation..	STOT SE 3
EUH202 - Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.	

### 2.2 Label elements:



Warning

H315 – Causes skin irritation.  
 H319 – Causes serious eye irritation.  
 H335 – May cause respiratory irritation.  
 EUH202 - Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P280 – Wear nitrile rubber protective gloves according to EN 374 and eye protection according to EN 166.  
 P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.  
 P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.  
 P305 + P352 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P315 - Get immediate medical advice/attention.  
 P405 - Store locked up.  
 P501 - Dispose of contents / container to a recognized disposal company.

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- 2.3 **Other hazards:**  
**Human experience:**  
 1,4-Dihydroxybenzene is easily resorbed by skin. Allergic reaction beyond the extent of expected reactions in the case of particularly sensitive individuals is not expected. Evolution of flammable mixtures possible in air when heated above flash point.  
**Aquatic environment**  
 Slightly Water endangering.  
 Persistent, bioaccumulative and toxic substances (PBT-substances): None.  
 Very persistent and very bioaccumulative substances (vPvB-substances): None.

**SECTION 3: Composition/information on ingredients**3.1. **Substances:** Not applicable.3.2. **Mixtures:**  
**Dangerous Ingredients**

CAS - No.	Index - No.	EC - No.	Chemical name / REACH registration number	m% - range	pictogram(e)	H - phrases
7085-85-0	607-236-00-9	230-391-5	Ethyl-2-cyanacrylate / 01-2119527766-29-xxxx	65 < C < 75 %	GHS07	H319, H335, H315
123-31-9	604-005-00-4	123-31-9	1,4-Dihydroxybenzene (Hydroquinone) / No data available	0,01 < C < 0,1 %	GHS05 GHS08 GHS07 GHS09	H351, H341, H302, H318, H317, H400 (M=10)

H351 = Carc. 2, H341 = Muta. 2, H302 = Acute Tox.4, H318 = Eye Damage. 1, H400 = Aquatic. Acute 1

**SECTION 4: First aid measures**

- 4.1 **Description of first aid measures:**  
**General advice:**  
 Show this safety data sheet to the doctor in attendance.  
**Inhalation:**  
 Move to fresh air in case of accidental inhalation of vapours or decomposition products.  
 If symptoms persist, call a physician.  
**Skin contact:**  
 Wash off with soap and warm water. In the case of skin irritation or allergic reactions see a physician.  
**Eye contact:**  
 First: Treatment with lidocaine. Then immediately rinse eyes thoroughly with plenty of water and seek medical advice immediately.  
**Ingestion:**  
 Clean mouth with water. Ingest immediately about 350 ml (5 ml/kg body weight) of activated charcoal slurry.  
 Call a physician immediately.
- 4.2 **Most important symptoms and effects, both acute and delayed:**  
 No information available.
- 4.3 **Indication of any immediate medical attention and special treatment needed:**  
 Treat symptomatically. For pulmonary irritation initial treatment with inhaler - Ventolair® / Junik®.

**SECTION 5: Firefighting measures**

- 5.1 **Extinguishing media:**  
**Suitable extinguishing media:** Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.  
**Unsuitable extinguishing media:** None.
- 5.2 **Special hazards arising from the substance or mixture:**  
 In the event of fire the following can be released: Hydrogen cyanide (hydrocyanic acid), carbon oxides and nitrogen oxides.

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5.3 **Advice for firefighters:** Prevent product from entering drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**Special protective equipment for firefighters:**

Special protective equipment for firefighters:

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:****6.1.1 For non-emergency personnel:**

Use personal protective equipment. Ensure adequate ventilation. Keep away from sources of ignition - No smoking. Avoid contact with skin and eyes. Do not breathe vapour. Emergency procedures such as the need to evacuate the danger area or to consult an expert.

**6.1.2 For emergency responders:**

Use personal protective equipment. Inform the untrained personnel that the precautions listed in the subsection 6.1.1 are complied with.

**6.2 Environmental precautions:**

Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained. Soak up with inert absorbent material (universal binder). Shovel into suitable container for disposal.

**6.3 Methods and material for containment and cleaning up:****6.3.1 Methods and material for containment:**

Soak up with inert absorbent material (universal binder). Shovel into suitable container for disposal.

**6.3.2 Methods and material for cleaning up:**

Soak up with inert absorbent material (universal binder). Shovel into suitable container for disposal.

**6.3.3 Inappropriate containment or clean-up techniques:**

None.

**6.4 Reference to other sections:**

See section 8 / 13.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling:****7.1.1 Recommendations shall be specified to:**

Allergic reaction beyond the extent of expected reactions in the case of particularly sensitive individuals is not expected. Persons allergic to cyanacrylates, and particularly those suffering from asthma or other respiratory conditions, should not work with cyanacrylates. Avoid contact with skin and eyes. Keep container tightly closed in a cool, well-ventilated place. Ensure adequate ventilation, especially in confined areas.

**7.1.2 Advice on general occupational hygiene shall be provided:**

Do not breathe vapour. Avoid contact with skin and eyes. Remove and wash contaminated clothing before re-use. When using do not eat or drink. When using do not smoke.

**7.2 Conditions for safe storage, including any incompatibilities:**

Keep container tightly closed in a cool, well-ventilated place. Protect from humidity and water. Keep away from oxidizers, strong alkalis and amines to avoid exothermic reactions. Protect from heat.

**Precautions in Case of Fire and Explosion:**

The product is flammable. Normal measures for preventive fire protection. Keep away from sources of ignition. No smoking.

**Storage Instructions:**

Keep container tightly closed in a cool, well-ventilated place.

**7.3 Specific end use(s):**

Eyelash glue.

**SECTION 8: Exposure controls/personal protection**

8.1 Control parameters: None.

CAS / Material

Limit Value according to TRGS 900/ EC Guideline 2000/39:

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<b>DNEL-Values:</b> ethyl-2-cyanacrylate	
Excessive exposures - systemic and local properties:	Inhalation: 9,25 mg / m <sup>3</sup>
<b>DNEL- Values:</b> 1,4-Dihydroxybenzene; hydrochinone	
Excessive exposures - systemic properties:	Inhalation: 7 mg / m <sup>3</sup>
Excessive exposures - local properties:	Inhalation: 1 mg / m <sup>3</sup>

**8.2 Exposure controls:**

None.

**8.2.1 Appropriate engineering controls:**

Ensure adequate ventilation, especially in confined areas.

**8.2.2 Personal Protective Equipment****Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment. Filter B**Hand Protection:***Excessive exposure:* Protective gloves (Nitrile rubber) according to EN 374.  
Break through time: > 480 Min. Glove thickness: 0,7 mm / Level 6.*Short time exposure:* Protective gloves according to EN 374. (Nitrile rubber).  
Break through time: > 30 Min. Glove thickness: 0,4 mm / Level 2.  
Refer to manufacturer of gloves for detailed information.**Eye Protection:** tightly fitting safety goggles**Skin Protection:** long sleeved clothing**Further Information:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.**Thermal hazards:** None.**8.2.3 Environmental exposure controls:** None.**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties:**

**Appearance:** viscous liquid  
**Colour:** black  
**Odour:** like cyanacrylate  
**Odour threshold:** no data available

**Safety Relevant Data**

pH: (undiluted): no data available  
Boiling point/range: (°C): 150  
Melting point/range : (°C): not applicable  
Flash point (°C): > 70  
Evaporation Rate: no data available  
Flammability (solid, gas): The product is flammable but not readily ignited.  
Upper/lower flammability or explosive limits: not applicable, not applicable  
Vapour pressure: no data available  
Vapour density ((Air = 1.0)): no data available  
Relative density (g/cm<sup>3</sup>) > 1  
Water solubility insoluble  
Soluble in: Not relevant  
Fat solubility None.  
Partition coefficient (n-octanol/water): no data available  
Auto-ignition temperature °C: not applicable

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9.2	Decomposition temperature ° C:	no data available
	Viscosity	no data available
	Oxidising properties:	not applicable
	Explosive properties:	not applicable
	Solvent (Weight %):	not applicable
	VOC (g / kg):	not applicable
	<b>Other information:</b>	
	Thermal decomposition (°C):	no data available
Vapour density (Air = 1):	no data available	
Evaporation rate:	no data available	

**SECTION 10: Stability and reactivity**

- 10.1 **Reactivity:**  
None.
- 10.2 **Chemical stability:**  
Stable at normal conditions. Evolution of flammable mixtures possible in air when heated above flash point.
- 10.3 **Possibility of hazardous reactions:**  
Keep away from oxidizers, strong alkalis and amines to avoid exothermic reactions.
- 10.4 **Conditions to avoid:**  
Stable under normal conditions. No decomposition if used as directed. Avoid heat, light and moisture.
- 10.5 **Incompatible materials:**  
None.
- 10.6 **Hazardous decomposition :**  
Hydrogen cyanide (hydrocyanic acid).

**SECTION 11: Toxicological information**

- 11.1 **Information on toxicological effects**
- 11.1.1 **Acute toxicity Mixtures:**
- |                           |  |
|---------------------------|--|
| LC50/inhalation/4h/rat =  | No data available  |
| LD50/oral/rab. =          | > 5000 mg/kg   |
| LD50/dermal/rat =         | > 2000 mg/kg   |
| Irritation                | Causes serious eye irritation. Causes skin irritation.   |
| Corrosivity               | None.  |
| Sensitization:            | Allergic reaction beyond the extent of expected reactions in the case of particularly sensitive individuals is not expected. |
| Carcinogenicity:          | No data available  |
| Mutagenicity:             | No data available  |
| Toxicity for reproduction | No data available  |
- 11.1.2 **Substances**
- Acute toxicity ethyl 2-cyanoacrylate:**
- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| LC50/inhalation/4h/rat =          | No data available                 |
| LD50/oral/rat =                   | > 5240 mg/kg                      |
| LD50/dermal/rab. =                | > 2000 mg/kg                      |
| Skin corrosion/irritation         | Causes skin irritation.           |
| Serious eye damage/irritation     | Causes serious eye irritation.    |
| Respiratory or skin sensitisation | None.                             |
| Germ cell mutagenicity            | None.                             |
| Carcinogenicity                   | None.                             |
| Reproductive toxicity             | None.                             |
| STOT-single exposure              | May cause respiratory irritation. |
| STOT-repeated exposure            | None.                             |
| Aspiration hazard                 | None                              |

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LC50/inhalation/4h/rat =	No data available.
LD50/oral/rat =	320 mg/kg
LDL0/oral/human =	29 mg/kg
LD50/dermal/rat =	no data available
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ cell mutagenicity	Suspected of causing genetic defects.
Carcinogenicity	Suspected of causing cancer
Reproductive toxicity	None.
STOT-single exposure	None.
STOT-repeated exposure	None.
Aspiration hazard	None.

**SECTION 12: Ecological information**

- 12.1 **Toxicity:** Slightly water endangering.  
**Toxicity data: 1,4-Dihydroxybenzene:** Source: Own research  
**Fish toxicity:** LC50/96h: 0,64 mg/l  
**Acute Toxicity to Daphnia:** LC50/48h: 0,134 mg/l,  
**Chronic Toxicity to Daphnia:** NOEC 0,0057 mg/l (21 Tage)  
**Toxicity to algae:** EC50/72h: 0,335 mg/l
- 12.2 **Persistence and degradability:**  
 May be separated mechanically in waste water plants. Ethyl 2-cyanoacrylate is biodegradable.  
 1,4-Dihydroxybenzene is not biodegradable.
- 12.3 **Bioaccumulative potential:**  
 Does not bioaccumulate
- 12.4 **Mobility in soil**  
 Does not bioaccumulate.
- 12.5 **Results of PBT and vPvB assessment:**  
 Persistent, bioaccumulative and toxic substances (PBT-substances): None.  
 Very persistent and very bioaccumulative substances (vPvB-substances): None.
- 12.6 **Other adverse effects**  
 No data is available on the product itself.

**SECTION 13: Disposal considerations**

- 13.1 **Waste treatment methods:**  
**Methods of waste treatment of both the substance or mixture and any contaminated packaging**  
 Dispose of contents / container to a recognized disposal company  
 Waste disposal number: 20 01 27 - paint, inks, adhesives and resins containing dangerous substances  
 (Decision 2014/955/EU)

**SECTION 14: Transport information**

**Transportation according to ADR/GGVS, IMDG/GGVSee and IATA-DGR/ICAO-TI:**  
 Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code.  
 UN 3334 - Aviation regulated liquid, n.o.s. (Ethyl-2-cyanoacrylate),

**SECTION 15: Regulatory information**

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
 Compliance with occupational safety.  
 Regulation (EC) 10005/2009: No.  
 Regulation (EC) 850/2004: No.  
 Regulation (EC) 649/2012: No.

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Directive 96/82/EC (Seveso): No

Regulation (EC) No 648/2004 on detergents: No.

15.2 **Chemical safety assessment:** No data available.

## SECTION 16: Other information

### H - Phrases:

H302 – Harmful if swallowed.

H317 – May cause an allergic skin reaction.

H341 – Suspected of causing genetic defects.

H351 – Suspected of causing cancer

H400 – Very toxic to aquatic life.

### Abbreviations:

PNEC = predicted no effect concentration

DNEL-(Derived No-Effect Levels)

Regulation (EC) 10005/2009: Substances that deplete the ozone layer.

Regulation (EC) 850/2004: Persistent organic pollutants.

Regulation (EC) 649/2012: Export and import of dangerous chemicals

### Further information to work out the Data sheet:

Data of the producer.

**Classification:** According to Regulation (EC) No 1272/2008 including the amending regulations, tabel 3.2.3 and 3.3.3

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible.

They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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