

## SAFETY DATA SHEET

Safety data sheet according to (EC) No. 1907/2006.

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

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**1.1. Product identifier****Leather Edge Dye****1.2. Relevant identified uses of the substance or mixture and uses advised against:**

Leather dye.

**1.3. Details of the supplier of the safety data sheet:**

Leather`s Choice ApS

Mossøvej 11

Phone: +45 86 17 20 08

DK - 8240 Risskov

E-mail: mail@laederiet.dk

Responsible person for the safety data sheet (e-mail): altox@altox.dk

**1.4. Emergency telephone:**

NHS (England or Wales): Dial 111 or 0845 4647 NHS 24 (Scotland): Dial 111

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**SECTION 2: Hazards identification**

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**2.1. Classification of the substance or mixture:**

Irritating and environmentally harmful liquid.

CLP (1272/2008): Eye Irrit. 2;H319 Aquatic Chronic 3;H412

**2.2. Label elements:****WARNING**

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P273: Avoid release to the environment.

P280: Wear protective eye protection/face protection.

P337+P313: If eye irritation persists: Get medical advice/attention.

P501: Dispose of contents/container according to local regulations.

EUH208: Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

**2.3. Other hazards:** None known.

PBT/vPvB: The ingredients are not considered PBT/vPvB according to criteria in Annex XIII.

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## SECTION 3: Composition/information on ingredients

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**3.2. Mixtures:**

% w/w	Substance	CAS-no.	EC-no.	Index-no.	REACH-reg.	Classification	Note
10-24.99	Poly(oxy-1,2-ethanediyl)*	87140-07-6	641-375-6	-	-	Eye Irrit. 2;H319 Aquatic Chronic 3;H412	-
1-2.49	Carbon black	1333-86-4	215-609-9	-	01-2119384822-32	Not classified	1,2
1-2.49	Propane-1,2-diol	57-55-6	200-338-0	-	01-2119456809-23	Not classified	-
0-0.0499	1,2-benz- isothiazol-3(2H)-one (BIT)	2634-33-5	220-120-9	613-088-00-6	-	Acute Tox. 4;H302 Skin Irrit. 2;H315 Eye Dam. 1;H318 Skin Sens. 1;H317 Aquatic Acute 1;H400 Aquatic Chronic 2;H411	-

\* Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1), polymer with 1,3-diisocyanatomethylbenzene, 2-propenoate (ester)

1) The substance has an occupational exposure limit.

Wording of hazard statements - see section 16

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## SECTION 4: First-aid measures

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**4.1. Description of first aid measures:**

Inhalation: Move the affected person to fresh air. Keep at rest. If needed: get medical attention.  
 Skin contact: Remove contaminated clothing and wash with soap and water. In case of rash, wound, or other skin irritation: Seek medical advice.  
 Eye contact: Flush with water or physiological salt water for at least 15 minutes, holding eye lids open, remember to remove contact lenses, if any. If irritation persists: Seek medical advice.  
 Ingestion: Rinse mouth and drink plenty of water. Do not induce vomiting. If needed: get medical attention

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

Serious irritation of eyes. May cause an allergic reaction. May cause slightly irritation of skin and the respiratory tract.

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

Show this safety data sheet to a physician or emergency ward.

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## SECTION 5: Fire-fighting measures

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**5.1. Extinguishing media:**

Use water spray (never water jet), dry chemical, foam or carbon dioxide.

**5.2. Special hazards arising from the substance or mixture:**

Do not breathe smoke fumes. In case of fire, the product may form hazardous decomposition products such as oxides of carbon.

**5.3. Advice for firefighters:**

When entering burning area: Wear self-contained breathing apparatus.

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## SECTION 6: Accidental release measures

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**6.1. Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment - see section 8. Ventilate area.

**6.2. Environmental precautions:**

Do not empty into drains - see section 12. Inform appropriate authorities in accordance with local regulations.

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

Mop up with a cloth or flush with water. Further handling of spillage - see section 13.

**6.4. Reference to other sections:**

See above.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling:

Avoid breathing vapours and contact with skin and eyes. After use wash with soap and plenty of water. Required access to plenty of water and eyewash fountain.

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

Properly sealed container, in a cool, dry and well-ventilated area, at 5°-35°C.

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

See section 1.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters:

Occupational exposure limits (EH40/2007):

<u>Substance</u>	<u>8-hour TWA</u>	<u>15-min STEL</u>	<u>Comments</u>
Carbon black	3.5 mg/m <sup>3</sup>	7 mg/m <sup>3</sup>	-
Propane-1,2-diol total vapour and particulates	150 ppm = 474 mg/m <sup>3</sup>	-	-
particulates	10 mg/m <sup>3</sup>	-	-

<u>DNEL:</u>	<u>Exposure</u>	<u>Value</u>	<u>Population</u>	<u>Effects</u>
Carbon black	Long term - inhalation	1 mg/m <sup>3</sup>	Worker	Systemic
	Long term - inhalation	0.5 mg/m <sup>3</sup>	Worker	Local
	Long term - inhalation	3.5 mg/m <sup>3</sup>	Worker	Local (Supplier)
	Long term - inhalation	0.06 mg/m <sup>3</sup>	Consumer	Systemic
Propane-1,2-diol	Long term, inhalation	168 mg/m <sup>3</sup>	Worker	Systemic
	Long term, inhalation	10 mg/m <sup>3</sup>	Worker	Local
	Long term, inhalation	50 mg/m <sup>3</sup>	Consumer	Systemic
	Long term, inhalation	10 mg/m <sup>3</sup>	Consumer	Local

<u>PNEC:</u>	<u>Medium</u>	<u>Value</u>
Carbon black	Freshwater	1-50 mg/l
	Marine water	0,1 mg/l
	Intermittent release (freshwater)	10 mg/l
	Intermittent release (marine water)	1 mg/l
Propane-1,2-diol	Freshwater	260 mg/l
	Marine water	26 mg/l
	Intermittent release (freshwater)	183 mg/l
	Freshwaters sediment	572 mg/kg
	Marine water sediment	57.2 mg/kg
	Soil	20 mg/kg
STP	20000 mg/l	

### 8.2. Exposure controls:

Appropriate engineering controls: None particular.

Personal protective equipment:

Inhalation: Normally not necessary.

Skin: Normally not necessary. In case of prolonged or repeated work: Wear protective gloves (EN374) e.g. of nitrile (thickness >0.3 mm).

Eyes: Safety goggles (EN166) when there is risk of splashes.

Environmental exposure controls: None particular.

## SECTION 9: Physical and chemical properties

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

Appearance:	Liquid
Odour:	Characteristic
Odour threshold:	Not determined
pH:	8-9
Melting point/freezing point (°C):	0
Initial boiling point and boiling range (°C):	≥90
Flash point (°C):	Not determined
Evaporation rate:	Not determined
Flammability (solid, gas):	Not relevant
Upper/lower flammability or explosive limits (vol.-%):	1,2-7,5
Vapour pressure:	22.374
Relative density (g/cm <sup>3</sup> ):	1,027
Solubility (in water):	Miscible
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature (°C):	Not determined
Decomposition temperature (°C):	Not determined
Viscosity (cps):	<100
Explosive/oxidising properties:	Not relevant
<b>9.2. Other information:</b>	VOC: 7%

## SECTION 10: Stability and reactivity

### 10.1. Reactivity:

No available data.

### 10.2. Chemical stability:

Stable under normal conditions - see section 7.

### 10.3. Possibility of hazardous reactions:

None known.

### 10.4. Conditions to avoid:

None known

### 10.5. Incompatible materials:

Oxidisers. Strong alkali and acids

### 10.6. Hazardous decomposition products:

In case of extensive heating the mixture may form hazardous decomposition product such as oxides of carbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects:

Hazard class	Data	Test	Data source
Acute toxicity:			
Inhalation	LC <sub>50</sub> (rat) = >4,6 mg/m <sup>3</sup> /4H (Carbon Black) LC <sub>50</sub> (rat) = > 4 mg/l/4H (BIT)	No info No info	
Dermal	LD <sub>50</sub> (rat) = >3000 mg/kg (Carbon Black) LD <sub>50</sub> (rat) = >2000 mg/kg (BIT)	Literature No info	Supplier ECHA
Oral	LD <sub>50</sub> (rat) = >8000 mg/kg (Carbon Black) LD <sub>50</sub> (rat) = 1020 mg/kg (BIT)	Literature No info	Supplier ECHA
Corrosion/irritation:	No eye or skin irritation, rabbit (Carbon Black) Serious eye irritation, skin irritation (BIT)	OECD 404, 405 Draize, OECD 405	ECHA IUCLID
Sensitization:	No sensitization, guinea pig (Carbon Black) Sensitization, skin, rabbit (BIT)	OECD 406 OECD 406	ECHA IUCLID
CMR:	Carcinogenic effects, no mutagenic effects (Carbon Black)	OECD 471, 451	ECHA

Information on likely routes of exposure: Skin, lungs and gastrointestinal tract.

Symptoms:

Inhalation: Vapours may irritate the respiratory tract.

Skin: May cause irritation.

Eyes: Serious irritation with redness and pain.

Ingestion: Ingestion of large amounts may cause indisposition, nausea and diarrhoea.

Chronic effects: Frequent contact with skin may cause sensitization. Symptoms are redness, swelling and itching. Carbon Black are considered to be carcinogenic by inhalation of respirable dust.

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## SECTION 12: Ecological information

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**12.1. Toxicity:**

Aquatic	Data	Test (Media)	Data source
Fish	LC <sub>50</sub> (Danio rerio, 96h) = >1000 mg/l (Carbon Black)	OECD 203 (FW)	ECHA
	LC <sub>50</sub> (Oncorhynchus mykiss, 96h) = 0,8 mg/l (BIT)	No info (FW)	IUCLID
Daphnia	EC <sub>50</sub> (Daphnia Magna, 24h) = >5600 mg/l (Carbon Black)	OECD 202 (FW)	ECHA
	EC <sub>50</sub> (Daphnia magna, 48h) = 1,5 mg/l (BIT)	No info (FW)	IUCLID
Algae	EC <sub>50</sub> (Desmodesmus sub. 72h) = >10000 mg/l (Carbon Black)	OECD 201 (FW)	ECHA

**12.2. Persistence and degradability:**

Carbon Black is an inorganic substance. Methods for the determination of the biological degradation is not applicable to inorganic substances. BIT rapidly degradable (OECD 301)

**12.3. Bioaccumulative potential:**

BIT: Log K<sub>ow</sub> <1 – No bioaccumulation.

**12.4. Mobility in soil:**

BIT: K<sub>oc</sub> < 50 – Large mobility in soil.

**12.5. Results of PBT and vPvB assessment:**

The ingredients are not considered PBT/vPvB according to criteria in Annex XIII.

**12.6. Other adverse effects:**

None known.

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## SECTION 13: Disposal considerations

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**13.1. Waste treatment methods:**

Disposal should be according to local, state or national legislation. Dispose of through authority facilities or pass to chemical disposal company.

**EWC-code:**

20 01 27 (mixture itself)

15 02 02 (Paper towel, inert material etc. contaminated with the mixture)

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## SECTION 14: Transport information

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Not dangerous goods (ADR/RID/IMDG/IATA).

**14.1. UN-no.:** None.

**14.2. UN proper shipping name:** None.

**14.3. Transport hazard class(es):** None.

**14.4. Packing group:** None.

**14.5. Environmental hazards:** No.

**14.6. Special precautions for user:** None.

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:** Not relevant.

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## SECTION 15: Regulatory information

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

None

**15.2. Chemical Safety Assessment:**

The product contains at least one substance with an exposure scenario. RMM and OC are incorporated into this SDS.

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**SECTION 16: Other information**

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**Hazard statement mentioned in section 3:**

H302: Harmful if swallowed.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.  
H412: Harmful to aquatic life with long lasting effects.  
EUH208: Contains ... May produce an allergic reaction.

**Abbreviations:**

CMR = Carcinogenicity, mutagenicity and reproductive toxicity.  
CSR = Chemical Safety Report  
DNEL = Derived No-Effect Level  
EC<sub>50</sub> = Effect Concentration 50 %  
FW = Fresh Water  
LC<sub>50</sub> = Lethal Concentration 50 %  
LD<sub>50</sub> = Lethal Dose 50 %  
NOEC = No Observed Effect Concentration  
PBT = Persistent, Bioaccumulative, Toxic  
PNEC = Predicted No-Effect Concentration  
vPvB = very Persistent, very Bioaccumulative

**Literature:**

ECHA= European Chemical Agency Registration dossier  
IUCLID = International Uniform Chemical Database Information  
RTECS = Register of Toxic Effects of Chemical Substances

**Training advice:**

No special training is required. However, the user should be well instructed in the execution of the task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

**Changes since the previous edition:**

Not relevant

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