

SAFETY DATA SHEET

In accordance with 1907/2006 annex II 2015/830 and 1272/2008
(All references to EU regulations and directives are abbreviated into only the numeric term)
Issued 2018-06-29
Version number 1.0

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

1.1. Product identifier

Trade name	Perfection
Article number	(E) CA-4-06

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

Identified uses	Cyanoacrylate glue
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1.3. Details of the supplier of the safety data sheet

Company	LOOK BY LINN Mickedalavägen 27 30235 HALMSTAD Sweden
Telephone	0739232351
E-mail	linn@lookbylinn.se

1.4. Emergency telephone number

Acute cases: Call 112, request poison information.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Irritant (Category 2), H315
Irritates eyes (Category 2), H319
Specific target organ toxicity - single exposure; May cause respiratory irritation (Category 3 resp), H335

2.2. Label elements

Hazard pictogram



Signal word	Warning
Hazard statements	
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
Precautionary statements	
P261	Avoid breathing dust, fume, gas, mist, vapours, or spray
P280	Wear protective gloves, protective clothing and eye or face protection
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P403+P233	Store in a well-ventilated place. Keep container tightly closed
P501	Dispose of contents and container to authorised waste disposal facility

Supplemental hazard information

Contains: ETHYL-2-CYANOACRYLATE

2.3. Other hazards

Not indicated.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Note that the table shows known hazards of the ingredients in pure form. These hazards are reduced or eliminated when mixed or diluted, see Section 16d.

Constituent	Classification	Concentration
ETHYL-2-CYANOACRYLATE		
CAS No: 7085-85-0 EC No: 230-391-5 Index No: 607-236-00-9	Skin Irrit 2, Eye Irrit 2, STOT SE 3 <i>resp</i> ; H315, H319, H335	80 %
CARBON BLACK		
CAS No: 1333-86-4 EC No: 215-609-9		10 %
POLY(METHYL METHACRYLATE)		
CAS No: 9011-14-7 EC No: 618-466-4		10 %

Explanations to the classification and labelling of the ingredients are given in Section 16e. Official abbreviations are printed in normal font. Text in italics are specifications and/or complements used in the calculation of the classification of this mixture, see Section 16b.

SECTION 4: First aid measures

4.1. Description of first aid measures

Generally

In case of concern, or if symptoms occur, call a doctor/physician.

Upon breathing in

Allow the injured person to rest in a warm place with fresh air.

Case of respiratory arrest give artificial respiration.

Contact a doctor immediately if breathing problems occur.

Upon eye contact

Cover the eye with warm, wet compresses until the eyelids can separate. Do not attempt to separate glued eyelids.

Remove contact lenses immediately if possible.

Rinse the eye for several minutes with lukewarm water. If irritation persists call

a doctor/ophthalmologist. **Upon skin contact**

Remove clothes which have been splattered.

Never wash skin with organic solvents.

If body parts are glued together, then soap and lukewarm water should be used. Carefully separate skin surfaces glued together.

If symptoms occur, contact a physician.

Upon ingestion

Ingestion is unlikely, as the product hardens immediately in the mouth.

Rinse nose, mouth and throat with water.

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

Upon breathing in

May cause respiratory irritation.

May cause allergy or asthma symptoms or breathing difficulties.

Upon eye contact

Fumes may irritates the eyes on contact.

Upon skin contact

Irritation.

May cause an allergic skin reaction in sensitive persons. This effect may be delayed several hours.

4.3. Indication of any immediate medical attention and special

treatment needed Symptomatic treatment.

Upon contact with a doctor, make sure to have the label or this safety data sheet with you.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Extinguish with powder, carbon dioxide or foam.

5.2. Special hazards arising from the substance or mixture

High temperatures and fire can lead to polymerisation, which may cause the packaging to explode. In case of fire corrosive and poisonous gases may form, e.g. nitrogen oxides and carbon oxides.

5.3. Advice for fire-fighters

Protective measures should be taken regarding other material at the site of the fire.

Cool closed containers that were exposed to fire with water.

In case of fire use a respirator mask.

Wear full protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency

procedures Avoid inhalation and exposure to skin and eyes.

Keep unauthorized and unprotected people at a safe distance.

Use recommended safety equipment, see section 8. Ensure good ventilation.

6.2. Environmental precautions

Avoid release to drains, soil or watercourses.

6.3. Methods and material for containment and cleaning up

Minor spills can be wiped up, alternatively water can be poured over spilled material to initiate polymerisation. Hardened material must be collected mechanically. Larger spills: Absorb the liquid in an inert absorption agent, e.g. vermiculite, collect the material and send it for disposal.

6.4. Reference to other sections

See section 8 and 13 for personal protection equipment and disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

The product must only be handled by persons with relevant training.

Store this product separately from food items and keep it out of the reach of children and pets.

Avoid spillage, inhalation and contact with eyes and skin.

People with chronic respiratory conditions or distinct susceptibility to allergies should not work with thermosetting plastics.

Do not eat, drink or smoke in premises where this product is handled.

Wash your hands after using the product.

Remove clothes which have been splattered.

Wash contaminated clothing before reuse.

Avoid open fire, hot items, sparks or other ignition sources.

Take precautionary measures against static discharge.

Handle in premises with good ventilation.

7.2. Conditions for safe storage, including any incompatibilities

This product should be stored well out of reach of young children and kept safely apart from products intended for consumption.

Keep away from moisture.

Always use sealed and visibly labeled packages.

Store in dry and cool area.

Store tightly, in original packaging.

Keep away from heat and sunlight.

7.3. Specific end uses

See identified uses in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National limit values

ETHYL-2-CYANOACRYLATE

United Kingdoms (EH40/2005)

Short term exposure limit (STEL) 0.3 ppm / 1.5 mg/m³

CARBON BLACK

United Kingdoms (EH40/2005)

Time-weighted-average exposure limit (TWA) 3.5 mg/m³

Short term exposure limit (STEL) 7 mg/m³

DNEL

ETHYL-2-CYANOACRYLATE

	Type of exposure	Route of exposure	Value
Consumer	Chronic Systemic	Inhalation	9.25 mg/m ³
Worker	Chronic Local	Inhalation	9.25 mg/m ³
Worker	Chronic Systemic	Inhalation	9.25 mg/m ³
Consumer	Chronic Local	Inhalation	9.25 mg/m ³

PNEC

No data available.

8.2. Exposure controls

To prevent occupational risks the health hazards for this product or any of the ingredients should be taken into account (see sections 2, 3 and 11), according to EU Directive 89/391 and 98/24 and national jurisdiction for occupational risks.

8.2.1. Appropriate engineering controls

Handle in premises which have modern ventilation standards.

Use local exhaust ventilation.

Emergency showers and eye-rinsing facilities must be available at the workplace.

Eye/face protection

Use protective glasses with tight seals according to standard EN166.

Skin protection

Use protective gloves fulfilling the standard EN374 if there is a risk of direct contact.

Use protective gloves of polyethen when needed.

Do not use butyl rubber gloves.

Use suitable protective clothing.

Respiratory protection

Use proper protective breathing equipment in case of insufficient ventilation.

Gas mask with filter B (grey, for inorganic gases and fumes) is recommended.

8.2.3. Environmental exposure controls

Work with the product should take place in such a way that the product does not get into drains, waterways, soil and air.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

a) Appearance	Form: liquid. Colour: black.
b) Odour	scentless
c) Odour threshold	Not indicated
d) pH	Not indicated
e) Melting point/freezing point	Not indicated
f) Initial boiling point and boiling range	>190 °C
g) Flash point	95 °C
h) Evaporation rate	Not indicated
i) Flammability (solid, gas)	Not applicable
j) Upper/lower flammability or explosive limits	Not indicated
k) Vapour pressure	1 Pa
l) Vapour density	4.9 Air = 1
m) Relative density	0.9 - 1.1 Water = 1
n) Solubility	Solubility in water: Insoluble
o) Partition coefficient: n-octanol/water	Not applicable
p) Auto-ignition temperature	Not indicated
q) Decomposition temperature	Not indicated
r) Viscosity	Not indicated
s) Explosive properties	Not applicable
t) Oxidising properties	Not applicable

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product contains no substances which can lead to hazardous reactions at normal use.

Risk of exothermic polymerisation upon contact with incompatible materials.

10.2. Chemical stability

The product is stable at normal storage and handling conditions.

Risk of exothermic polymerisation.

10.3. Possibility of hazardous reactions

No hazardous reactions known during normal use.

May polymerise.

Danger of bursting of closed systems to vigorous exothermic polymerization. Avoid uncontrolled polymerization.

10.4. Conditions to avoid

Protect from moisture.

Avoid high temperatures and direct sunlight.

10.5. Incompatible materials

Avoid contact with water, acids, bases, transition metals (and salts of transition metals), reducing agents, organic materials and other contaminants.

Avoid contact with alcohols.

Avoid contacts with amines.

Alkalis.

10.6. Hazardous decomposition products

Carbon dioxide (CO₂).

Nitrogen oxides.

Hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Polymerization fumes may cause eye and airway irritation.

The product may very rapidly paste skin and mucous membranes.

Acute toxicity

The product is not classified as acute toxic.

ETHYL-2-CYANOACRYLATE

LD50 rat 24h: > 5000 mg/kg Orally

CARBON BLACK

LD50 rat 24h: > 8000 mg/kg Orally

Skin corrosion/irritation

May cause skin irritation.

Serious eye damage/irritation

Eye contact may cause burning pain or irritation.

Respiratory or skin sensitisation

Risk for allergic reactions and respiratory sensibility (asthma) in sensitive persons.

Germ cell mutagenicity

No mutagenic effects have been reported for the substance in this mixture.

Carcinogenicity

No carcinogenic effects have been reported for the substances in this product.

Reproductive toxicity

No toxic effects to reproduction have been reported for the substances in this mixture.

STOT-single exposure

May cause potent irritation in the airways/lungs.

STOT-repeated exposure

No known hazards for repeated exposure.

Aspiration hazard

The product is not classified as being toxic for aspiration.

SECTION 12: Ecological information

12.1. Toxicity

No ecological damage is known or expected in the event of normal use.

ETHYL-2-CYANOACRYLATE

LC50 Ide (Leuciscus idus) 48h: 160 mg/l

CARBON BLACK

EC50 Freshwater water flea (Daphnia magna) 24h: > 5600 mg/L

IC50 Algae 72h: 10000 mg/L

LC50 Zebra fish (Brachydanio rerio) 96h: > 1000 mg/L

12.2. Persistence and degradability

There is no information regarding persistence or degradability.

12.3. Bioaccumulative potential

There is no information regarding bioaccumulation.

12.4. Mobility in soil

The product polymerizes rapidly in an aquatic environment. Hardened product exhibits low soil mobility.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No known effects or hazards.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste handling of the product

Discarded products must be disposed of as hazardous waste in accordance with regulations.

Not completely emptied packaging can contain remnants of dangerous substances and should therefore be handled as hazardous waste according to the above. Completely emptied packaging can be recycled. Avoid discharge into sewers.

Observe local regulations.

See also national waste regulations.

SECTION 14: Transport information

Where not otherwise stated the information applies to all of the UN Model Regulations, i.e. ADR (road), RID (railway), ADN (inland waterways), IMDG (sea), and ICAO (IATA) (air).

14.1. UN number

Not classified as dangerous goods

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC

Code Not applicable

14.8 Other transport information

Not applicable

SECTION 15: Regulatory information

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

Not indicated.

15.2. Chemical safety assessment

Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

SECTION 16: Other information

16a. Indication of where changes have been made to the previous version of the safety data sheet

Revisions of this document

This is the first version

16b. Legend to abbreviations and acronyms used in the safety data sheet

Full texts for Hazard Class and Category Code mentioned in section 3

Skin Irrit 2	Skin Irritant (Category 2)
Eye Irrit 2	Irritates eyes (Category 2)
STOT SE 3resp	Specific target organ toxicity - single exposure; May cause respiratory irritation (Category 3 resp)

Explanations of the abbreviations in Section 14

ADR European Agreement concerning the International Transport of Dangerous Goods by Road

RID Regulations concerning the International Transport of Dangerous Goods by Rail

IMDG International Maritime Dangerous Goods Code

ICAO International Civil Aviation Organization (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada)

IATA The International Air Transport Association

Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I , as updated to 2018-06-29.

Where such data was not available, alternative documentation used to establish the official classification was used, e.g. IUCLID (International Uniform Chemical Information Database). As a second alternative, information was used from reputable international chemical industries, and as a third alternative other available information was used, e.g. material safety data sheets from other suppliers or information from non-profit associations, where reliability of the source was assessed by expert opinion. If, in spite of this, reliable information could not be sourced, the hazards were assessed by expert opinions based on the known hazards of similar substances, and according to the principles in 1907/2006 and 1272/2008.

Full texts for Regulations mentioned in this Safety Data Sheet

- 1907/2006 REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC
- 2015/830 COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- 1272/2008 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- EH40/2005 EH40/2005 Workplace exposure limits
- 1907/2006 REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification

Hazard calculation for this mixture has been performed as a cumulative assessment with the aid of expert assessments in accordance with 1272/2008 Annex I , where all available information which may be significant to establishing the hazards of the mixture was assessed together, and in accordance with 1907/2006 Annex XI .

16e. List of relevant hazard statements and/or precautionary statements Full texts for hazard statements mentioned in section 3

- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H335 May cause respiratory irritation

16f. Advice on any training appropriate for workers to ensure protection of human health and the environment Warning for misuse

This product can cause harm if used improperly. The manufacturer, the distributor or the supplier are not responsible for adverse effects if the product is not handled in accordance with its intended use.

Other relevant information

