

# 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)  
Revision date 2019-10-22  
Replaces issued SDS 2018-11-06  
Version number 2.0



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

### 1.1. Product identifier

Trade name Iron Adhesive

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

Identified uses Cyanoacrylate glue  
Used for eyelash extensions

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

Company Lilly Nails AB  
Parkgatan 13  
411 24 Göteborg  
Sweden  
Telephone 031-298829  
E-mail order@lillynails.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 gases or vapours

P280

Wear protective gloves, eye or face protection

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

EUH202 Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

Contains: ETHYL-2-CYANOACRYLATE

### 2.3. Other hazards

This product does not contain any substances that are assessed to be a PBT or a vPvB

## 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
<b>ETHYL-2-CYANOACRYLATE</b>		
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	90 %
<b>POLY(METHYL METHACRYLATE)</b>		
CAS No: 9011-14-7 EC No: 618-466-4		5 %
<b>CARBON BLACK</b>		
CAS No: 1333-86-4 EC No: 215-609-9		5 %

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

Bring the injured person out into fresh air. Give artificial respiration if breathing has stopped. If breathing is difficult let trained personnel administer oxygen. Let the injured person rest in a warm place with fresh air and seek medical advice immediately.

#### Upon eye contact

Remove contact lenses immediately if possible.

Rinse the eye for several minutes with lukewarm water. If irritation persists call a doctor/ophthalmologist.

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

#### **Upon skin contact**

Rinse the skin immediately with plenty of water.

Carefully remove remaining glue residue.

Remove contaminated clothing.

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

Never wash skin with organic solvents.

If symptoms occur, contact a physician.

#### **Upon ingestion**

Rinse nose, mouth and throat with water.

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

If the lips are glued together then plenty of warm water should be applied and they should be carefully separated.

### **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**

Serious eye irritation may occur.

Fumes may irritates the eyes on contact.

#### **Upon skin contact**

Skin irritation may occur.

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

#### **Upon ingestion**

May cause irritation of mucous membranes, nausea and vomiting.

### **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 ABC powder, alternatively with foam or carbon dioxide.

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

In case of fire corrosive and poisonous gases may form, e.g. nitrogen oxides and carbon oxides.

High temperatures and fire can lead to polymerisation, which may cause the packaging to explode.

### **5.3. Advice for fire-fighters**

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

In case of fire use a respirator mask.

Wear full protective clothing.

Cool closed containers that were exposed to fire with water.

## **SECTION 6: Accidental release measures**

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

Do not inhale vapours and avoid contact with skin, eyes and clothes when cleaning up the spillage.

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.

Residues left behind after cleaning shall be treated as hazardous waste. For further information, contact the local authority sanitisation works. Present this safety data sheet.

Ensure good ventilation after sanitation.

#### 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

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.

Work in order to avoid spillage. If spillage does occur, address it immediately in accordance with the directions specified in Section 6 of this safety data sheet.

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

Wash your hands after using the product.

Remove contaminated clothing.

Wash contaminated clothing before reuse.

Keep away from incompatible products.

Use recommended safety equipment, see section 8.

Local exhaust ventilation may be necessary.

Persons with chronic respiratory ailments or propensity for allergies should not work with this product.

### 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.

The product should be stored in a manner which prevents hazards to health and the environment. Avoid exposure to humans and animals and do not discharge the product in a sensitive environment.

Always use sealed and visibly labeled packages.

Store tightly, in original packaging.

Store only in the original package.

Store in dry and cool area.

Keep away from moisture.

Do not store close to incompatible materials (see section 10.5).

### 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 Kingdom (EH40/2005)**

Short term exposure limit (STEL) 0.3 ppm / 1.5 mg/m<sup>3</sup>

#### **CARBON BLACK**

##### **United Kingdom (EH40/2005)**

Time-weighted-average exposure limit (TWA) 3.5 mg/m<sup>3</sup>

Short term exposure limit (STEL) 7 mg/m<sup>3</sup>

**DNEL**  
**ETHYL-2-CYANOACRYLATE**

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

**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. Wash hands thoroughly after handling and before food intake or smoking.

**8.2.1. Appropriate engineering controls**

Handle in premises which have modern ventilation standards.  
Use local exhaust ventilation.  
Eye-rinsing facilities shall be available at the workplace.

**Eye/face protection**

Use protective glasses, safety goggles, or a visor.  
Use protective glasses with tight seals according to standard EN166.

**Skin protection**

Use suitable protective clothing.  
Use protective gloves fulfilling the standard EN374 if there is a risk of direct contact.  
Use protective gloves of polyethene or polypropene.

**Respiratory protection**

Use proper protective breathing equipment in case of insufficient ventilation.  
Filter of type A and/or type P3 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	characteristic
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

Risk of exothermic polymerisation upon contact with incompatible materials.

### 10.2. Chemical stability

The product is stable at normal storage and handling conditions.

### 10.3. Possibility of hazardous reactions

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

### 10.4. Conditions to avoid

Protect from moisture.

Protect from heat 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 oxidizers.

Avoid contact with water.

Avoid contacts with amines.

Avoid contact with alcohols.

### 10.6. Hazardous decomposition products

None under normal conditions.

## 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 acutely toxic.

## **ETHYL-2-CYANOACRYLATE**

LD50 rat 24h: > 5000 mg/kg Orally

### **Skin corrosion/irritation**

May cause skin irritation.

### **Serious eye damage/irritation**

Causes serious eye irritation.

### **Respiratory or skin sensitisation**

The criteria for classification cannot be considered fulfilled based on available data.

Hypersensitive reactions cannot be ruled out for persons who are overtly sensitive.

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**

The criteria for classification cannot be considered fulfilled based on available data.

### **Aspiration hazard**

The product is not classified as being toxic for aspiration.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

Prevent release on land, in water and drains.

The product is not to be labelled as an environmental hazard. However, it is not inconceivable that large emissions, or repeated small emissions, can have a harmful effect on the environment.

## **ETHYL-2-CYANOACRYLATE**

LC50 Ide (Leuciscus idus) 48h: 160 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**

This product does not contain any substances that are assessed to be a PBT or a vPvB.

### **12.6. Other adverse effects**

Data lacking.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Waste handling of the product

Avoid discharge into sewers.

May not be disposed of with household waste.

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.

Observe local regulations.

See also national waste regulations.

#### Classification according to 2008/98

Recommended LoW-code: 08 04 09 Waste adhesives and sealants containing organic solvents or other dangerous substances

## 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

Earlier versions

2018-11-06 Changes in section(s) 2, 4, 5, 6, 7, 8, 10, 11, 12, 13.

### 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 <i>3resp</i>	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

### 16c. Key literature references and sources for data

#### Sources for data

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 2019-10-22.

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
- 2008/98 DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives
- 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

Not indicated

### Editorial information



This material safety data sheet has been prepared and checked by KemRisk®, KemRisk Sweden AB, Platensgatan 8, SE-582 20 Linköping, Sweden, [www.kemrisk.se](http://www.kemrisk.se)