Material Data Sheet

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1. PRODUCT IDENTIFICATION:

1.1 Product Identifier

Product Name:	Labloc Cyanoacrylate Adhesive (DBL9-0100)
CAS No.:	7085-85-0
EC No.:	230-391-5
Index No.:	607-236-00-9

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

Description	Cyanoacrylate Adhesive

2. HAZARDS IDENTIFICATION:

2.1 Classification – 67/548/EEC	Xi; R36/37/38 Symbols; Xi: Irritant
Main Hazards	Irritating to eyes
2.1.2 Classification – EC 1272/2008	STOT SE 3; H335

2.2 Label Elements

Hazard Pictograms

Single Word	Warning	
Hazard Statement	Skin Irrit. 2: H315 – Causes skin irritation. Eye Irrit. 2: H319 – Causes serious eye irritation. STOT SE 3: H335 – May cause respiratory irritation.	
Precautionary Statement (Prevention)	P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
	P264	Wash thoroughly after handling.
	P271	Use only outdoors or in a well-ventilated area.
	P280	Wear protective gloves/protective clothing/eye protection/face protection
(Response)	P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
	P302+P352	IF ON SKIN: Wash with plenty of soap and water.
	P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P305+P351+338	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.
	P321	Specific treatment (see on this label).
	P332 + P313	If skin irritation occurs: Get medical advice/attention.
	P337+P313	If eye irritation persists: Get medical advice/attention.
Precautionary Statement (Storage)	P403+P233	Store in a well-ventilated place. Keep container tightly closed.
	P405	Store locked up.
Precautionary Statement (Disposal)	P501	Dispose of contents/container in accordance with local regulation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No	CAS No	EC No	Reach Registration Number	Conc. (%W/W)	Classification
Ethyl-2-cyanoacrylate. (Ethyl Cyanoacrylate)	607-236-00-9	7085-85-0	230-391-5		80 – 100%	Xi; R36/37/38
1,4-Dihydroxybenzene (Hydroquinone)	604-005-00-4	123-31-9	204-617-8		0 – 0.1%	**Carc. Cat. 3; R40 Muta. Cat. 3; R68 Xn; R22 Xi; R41 R43** N; R50

EC 1272/2008

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Ethyl-2-cyanoacrylate. (Ethyl Cyanoacrylate)	607-236-00-9	7085-85-0	230-391-5		80 – 100%	STOT SE 3: H335;
1,4-Dihydroxybenzene (Hydroquinone)	604-005-00-4	123-31-9	204-617-8		0 – 0.1%	Carc. 2: H351; Muta 2: H341; Acute Tox. 4: H302; Eye Dam. 1: H318; Skin Sens. 1: H317; Aquatic Acute 1: H400;

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	DO NOT INDUCE VOMITING.

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

Inhalation	Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Eye contact	Irritating to eyes.
Skin contact	Irritating to skin.
Ingestion	Ingestion may cause nausea and vomiting.

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

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Seek medical attention if irritation or symptoms persist.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Carbon Oxides

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Wear suitable protective equipment.

6.2. Environmental procedures

Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up
Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4. Reference to other sections
See section 3, 8, 13 for further information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2 Conditions of safe storage, including any incompatibilities
Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

7.3. Specific end use(s)
Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
8.1.1 Exposure limit values

1,4-Dihydroxybenzene (Hydroquinone)	**WEL 8-hr limit ppm: -** **WEL 15 min limit ppm: -**	**WEL 8-hr limit mg/m3:** 0.5 **WEL 15 min limit mg/m3: -**
Labloc (Ethyl Cyanoacrylate)	**WEL 8-hr limit ppm: -** **WEL 15 min limit ppm:** 0.3	**WEL 8-hr limit mg/m3: -** **WEL 15 min limit mg/m3:** 1.5

8.2. Exposure controls

8.2.1 Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2 Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection -	Chemical resistant gloves.
Hand protection	
Respiratory protection	Wear suitable respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Colourless
Odour	Characteristic
pH	Non available
Melting point	≈ -31°C
Freezing Point	≈ -71°C
Boiling point	≈ 214°C
Flash point	≈ 85°C
Evaporation rate	No data available
Flammability limits	No data available
Vapour Flammability	No data available
Vapour pressure	21 Pa
Vapour density	No data available
Relative density	1.045 (Water = 1 @ 20°C)
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	≈ 450 °C
Viscosity	≈ 100 mPas (Cone & Plate)
Explosive	No data available
Oxidising	No data available
Solubility	Immiscible in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	Not applicable.

10. STABILITY AND REACTIVITY

10.1. Reactivity
Avoid contact with: Alkalis, Bases, Strong bases, Water.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
May polymerize.

10.4. Conditions to avoid
Heat. Moisture. Bases.

10.5. Incompatible materials
Alkalis. Bases. Water.

10.6. Hazardous decomposition products
Burning produces obnoxious and irritating fumes.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	May cause allergic reactions in susceptible people.
Skin corrosion/irritation	May cause irritation to skin.
Respiratory or skin Sensitisation	May cause allergic reactions in susceptible people.
Germ cell mutagenicity	No data is available on this product.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No data is available on this product.

11.2 Toxicological information

Labloc Cyanoacrylate Adhesive	**Oral Rat LD50**: >5000 mg/kg	**Dermal Rabbit LD50**: >2000 mg/kg

12. ECOLOGICAL INFORMATION

12.1. Toxicity	No data available.
12.2. Persistence and degradability	No data is available on this product.
12.3. Bioaccumulative potential	No data is available on this product.
12.4. Mobility in soil	No data is available on this product.
12.5. Results of PBT and vPvB assessment	No data is available on this product.
12.6. Other adverse effects	No data is available on this product.

13. DISPOSAL CONSIDERATIONS

General information	Dispose of in compliance with all local and national regulations.
Disposal methods	Contact a licensed waste disposal company.
Disposal of packaging	Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.
Further information	For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

14. TRANSPORT INFORMATION

14.1. UN number	UN 3334
14.2. UN proper shipping name	AVIATION REGULATED LIQUID, N.O.S.

14.3. Transport hazard class(es)

ADR/RID	9
Subsidiary risk	-
IMDG	9
Subsidiary risk	-
IATA	9
Subsidiary risk	-

14.4. Packing group

Packing group	-

14.5. Environmental hazards

Environmental Hazards	No
Marine pollutant	No

ADR/RID	
Hazard ID	-
IMDG	
EmS Code	-
IATA	
Packing instructions (Cargo)	964
Maximum quantity	220L
Packing instruction (Passenger)	964
Maximum quantity	100L

Further information This product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

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

Regulations COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on 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.
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.

15.2 Chemical safety assessment
No data is available for this product.

16. OTHER INFORMATION

Text of risk phrases in Section 3

R22 - Harmful if swallowed.
R36/37/38 - Irritating to eyes, respiratory system and skin.
R40 - Limited evidence of a carcinogenic effect.
R41 - Risk of serious damage to eyes.
R43 - May cause sensitisation by skin contact.
R50 - Very toxic to aquatic organisms.
R68 - Possible risk of irreversible effects.

Text of Hazard Statements in Section 3

Skin Irrit. 2: H315 - Causes skin irritation.
Eye Irrit. 2: H319 - Causes serious eye irritation.
STOT SE 3: H335 - May cause respiratory irritation.
Acute Tox. 4: H302 - Harmful if swallowed.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Eye Dam. 1: H318 - Causes serious eye damage.
Muta. 2: H341 - Suspected of causing genetic defects .

Carc. 2: H351 - Suspected of causing cancer .
Aquatic Acute 1: H400 - Very toxic to aquatic life.

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

END OF SAFETY DATA SHEET