

Product Identifier: ELH-100 Cyan SDS No. 037-U328636

Date of issue: 2025/02/25 Date of revision: 2025/05/28

### Section 1 - Identification

Product identifier : ELH-100 Cyan

Product code : ELH100-C-BA / ELH100-C-B2 / ELH100-C-60 / ELH100-C-22

Recommended use of the chemical and

restrictions on use

Details of manufacturer : MIMAKI ENGINEERING CO., LTD.

: 2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN

: +81-268-64-2413

INK JET ink

Details of Importer / Distributor : MIMAKI AUSTRALIA PTY LTD.

Unit 14, 38-46 South Street, Rydalmere, NSW 2116, Australia

: +61-2-8036-4500

Emergency telephone number : +61 2 8014 4558 (within Australia only)

18000 74234 (within Australia only)

+65 3158 1074

## Section 2 - Hazard(s) Identification

Classification of the hazardous chemical

Health hazards : Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 1

Sensitization - skin Category 1

Label elements, including precautionary

statements

Pictograms or Symbols



Signal Word : Danger

Hazard Statements : H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

Precautionary Statements

Prevention : Avoid breathing mist, vapours and spray. (P261)

Wash thoroughly after handling.(P264)

Contaminated work clothing should not be allowed out of the

workplace.(P272)

Wear protective gloves/protective clothing/eye protection/face

protection(P280)

Response : IF ON SKIN: Wash with plenty of water (P302+P352)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsing(P305+P351+P338)

Immediately call a POISON CENTER/doctor(P310)

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If skin irritation or rash occurs: Get medical

advice/attention(P333+P313)

Take off contaminated clothing and wash it before

reuse.(P362+P364)

Storage : Not applicable.

Disposal : Dispose of waste in accordance with local state and federal

regulations.(P501)

#### Section 3 - Composition and Information on Ingredients

Substances or mixtures	: Mixtures	
Ingredients name	Contents	CAS RN
1,6-Hexanediol diacrylate	35-45%	13048-33-4
Dipropylene Glycol Diacrylate	25-35%	57472-68-1
Acrylate monomer	10-20%	Confidential
Photo initiator	1-10%	Confidential
Pigment Blue 15	0.1-5%	147-14-8
Additive	0.1-5%	Confidential

### Section 4 - First Aid Measures

Inhalation : Remove victim to fresh air and keep at rest in a position

comfortable for breathing. Get medical attention if symptoms occur.

Skin contact : Flush contaminated skin with plenty of water. Take of contaminated

clothing and wash before re-use. Get medical attention if symptoms

occur.

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the

upper and lower eyelids. Check for and remove any contact lenses.

IF exposed or concerned: Get medical advice and attention.

Ingestion : Rinse mouth. Do not induce vomiting unless directed to do so by

medical personnel. IF exposed or concerned: Get medical advice and

attention.

## Section 5 - Fire Fighting Measures

Suitable extinguishing equipment

Not suitable extinguishing media

Specific hazards arising from the

chemical

Special protective equipment and

precautions for fire fighters

- : Dry chemicals, CO2, water spray or regular foam.
- : Cylindric water.

: Risk of producing harmful gases such as carbon monoxide. Avoid

inhalation of smoke or gases.

: Use goggles in combination with dust mask, and another protections

as appropriate to situation.

## Section 6 - Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Environmental precautions

: Put on appropriate personal protective equipment. Large spills: Evacuate area. Ensure adequate ventilation.

Collect spillage. Avoid dispersal of spilled material and runoff and

contact with soil, waterways, drains and sewers.

Methods and materials for containment

and cleaning up

Small spill: absorb with material such as non-combustible

materialwash thoroughly after handling.

Large spills: Dike spills and dispose of in safe area.

## Section 7 - Handling and Storage

Handling

Technical measures Use local exhaust ventilation in case of production of fume or mist.

Facilities storing or utilizing this material should be equipped with an

eyewash facility and a safety shower.

Safe handling advice Do not handle until all safety precautions have been read and

> understood. Avoid release to the environment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after

handling. Wear protective gloves/protective clothing/eye

protection/face protection. Contaminated work clothing should not

be allowed out of the workplace. Do not breathe

dust/fume/gas/mist/vapours/spray. Obtain special instructions

before use.

Storage

Suitable storage conditions : Store in well-ventilated place. Store locked up.

## Section 8 - Exposure controls and personal protection

Control parameters No data available

Engineering measures Use local exhaust ventilation in case of production of fume or mist.

> Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use explosion-proof electrical

equipment and prevent from static electricity.

Individual protection measures

Respiratory protection : If necessary, wear respiratory protection.

Hand protection Wear protective gloves.

Eve and face protection Wear eve protection/face protection.

Skin protection Wear protective clothing.

## Section 9 - Physical and Chemical Properties

Appearance

Physical state : Liquid Color Blue

Odor : Unique odor



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Odor threshold : No data available No data available pΗ Melting point/freezing point No data available No data available Initial boiling point and boiling ranget

>=130°C Flash point

Evaporation rate No data available Flammability(Solid, Gas) Combustible Flammability or explosive limits No data available No data available Vapor pressure Vapor density No data available

Relative density 1.0 - 1.2

Non-water-soluble Solubility Partition coefficient: n-octanol/water No data available No data available Auto-ignition temperature Decomposition temperature No data available Viscosity  $23\pm3$ mPa $\cdot$ s(25°C)

## Section 10 - Stability and Reactivity

Stable under normal conditions of use. Reactivity Chemical stability Stable under normal conditions of use.

Possibility of hazardous reactions Polymerization and curing may occur when exposed to light,

particularly ultraviolet rays.

Conditions to avoid Heat source, storage near fire source, direct sunlight, ultraviolet

rays.

Strong oxidizing agents, radical initiator, inert gas, oxygen scavenger. Incompatible materials

Hazardous decomposition products Combustion may produce toxic gas, carbon monoxide and carbon

dioxide.

### Section 11 - Toxicological Information

: Category 4:Confidential (converted value = 500mg/kg, source: Acute toxicity (Oral)

Registered substances (ECHA))

Not classified:147-14-8 (toxicity value = 10000mg/kg, source: NITE) Classification not possible:13048-33-4 (source: GHS Hazardous Chemical Information List), Confidential (source: NITE), 57472-68-1 (source: Registered substances (ECHA)), Confidential (source: GHS

Hazardous Chemical Information List)

No data:Confidential

Substances classified as hazardous are below the concentration limit. Contains substance of unknown toxicity. Changed from Not classified to Classification not possible.



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Acute toxicity (Dermal) : Unable to classify due to insufficient data.

Acute toxicity (Inhalation : Gases) : Does not fall under gas based on GHS definitions.

Acute toxicity (Inhalation : Vapours) : Unable to classify due to insufficient data.

Acute toxicity (Inhalation : dust/mist) : Unable to classify due to insufficient data.

Skin corrosion/ Irritation : Category 2:13048-33-4 (source: GHS Hazardous Chemical

Information List), 57472-68-1 (source: Registered substances

(ECHA))

Not classified:147-14-8 (source: NITE)

Classification not possible:Confidential (source: Registered substances (ECHA)), Confidential (source: NITE), Confidential

(source: GHS Hazardous Chemical Information List)

No data:Confidential

Sum of Category 2 Concentration limit = 10%. Classification result =

Category 2.

Serious eye damage/irritation : Category 1:Confidential (source: Registered substances (ECHA)),

57472-68-1 (source: Registered substances (ECHA))

Category 2:13048-33-4 (source: GHS Hazardous Chemical

Information List)

Classification not possible:147–14–8 (source: NITE), Confidential (source: NITE). Confidential (source: GHS Hazardous Chemical

Information List)
No data:Confidential

Sum of Eye category 1 Concentration limit = 3%. Classification result

= Category 1.

Respiratory Sensitization : Unable to classify due to insufficient data.

Skin Sensitization : Category 1:13048-33-4 (source: GHS Hazardous Chemical

Information List), 57472-68-1 (source: Registered substances

(ECHA)), Confidential (source: GHS Hazardous Chemical Information

List)

Classification not possible:147-14-8 (source: NITE), Confidential

(source: Registered substances (ECHA)), Confidential (source: NITE)

No data:Confidential

13048-33-4 >= 1% Classification result = Category 1

Germ cell mutagenicity : Unable to classify due to insufficient data.

Carcinogenicity : Unable to classify due to insufficient data.

Reproductive toxicity : Unable to classify due to insufficient data.

Reproductive toxicity, effects on or via

lactation

: Unable to classify due to insufficient data.

Specific target organ toxicity - Single : Unable to classify due to insufficient data.



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exposure

Specific target organ toxicity -

Repeated exposure

Category 2:Confidential (organ = spleen, liver, source: Registered

substances (ECHA))

Classification not possible:147-14-8 (source: NITE), 13048-33-4 (source: GHS Hazardous Chemical Information List), Confidential (source: NITE), 57472-68-1 (source: Registered substances

(ECHA)), Confidential (source: GHS Hazardous Chemical Information

List)

No data:Confidential

Substances classified as hazardous are below the concentration limit. Contains substance of unknown toxicity. Changed from Not

classified to Classification not possible.

Unable to classify due to insufficient data. Aspiration hazard

### Section 12 - Ecological Information

Hazardous to the Aquatic Environment - : Acute Toxicity

Classification not possible:147-14-8 (source: NITE). Confidential (source: Registered substances (ECHA)), 13048-33-4 (source: GHS Hazardous Chemical Information List), Confidential (source: NITE), 57472-68-1 (source: Registered substances (ECHA)), Confidential

(source: GHS Hazardous Chemical Information List)

No data:Confidential

Contains substance of unknown toxicity. Changed from Not

classified to Classification not possible.

Hazardous to the Aquatic Environment - :

Chronic Toxicity

Category 4:Confidential (source: GHS Hazardous Chemical Information List)

Classification not possible:147-14-8 (source: NITE), Confidential (source: Registered substances (ECHA)), 13048-33-4 (source: GHS Hazardous Chemical Information List), Confidential (source: NITE),

57472-68-1 (source: Registered substances (ECHA))

No data:Confidential

(M factor x 100 x Category 1) + (10 x Category 2) + Category 3 >= Concentration limit(25%). Contains substance of unknown toxicity. Changed from Not classified to Classification not possible.

Hazardous to the Ozone layer Unable to classify due to insufficient data.

### Section 13 - Disposal considerations

Residual Waste

Disposal should be in accordance with applicable regional, national

and local laws and regulations. Passed to a licensed waste

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contractor.

Contaminated Container and Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations. Passed to a licensed waste contractor. In case of disposal of empty containers, remove the content thoroughly.

## Section 14 - Transport Information

International regulations

**IMDG** 

**UN** number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Transport hazard class(es) 9 Packing group  ${\rm I\hspace{-.1em}I\hspace{-.1em}I}$ 

IATA

**UN** number 3082

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. UN proper shipping name

Transport hazard class(es) Ш Packing group

**ADG** 

**UN** number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Transport hazard class(es) 9 Packing group Ш

Section 15 - Regulatory Information

High Volume Industrial Chemicals List : Listed

#### Section 16 - Other information

Literature References SDS of raw material

National Institute of Technology and Evaluation (NITE) GHS

Classifications List

Regulation (EC) 1272/2008 Annex VI

Regulation (EC) 1907/2006 registered substances

Other data The information suggested in this Safety Data Sheet does not

> comprehend everything and should be adopted only as a guide. The accuracy of the information and recommendations suggested herein are credible. However the company makes no warranty regarding such information and recommendations and disclaims all

liability for reliance thereon.