

Product Identifier: ELH-100 Clear SDS No. 037-U328643

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

#### Section 1 - Identification

Product identifier : ELH-100 Clear

Product code : ELH100-CL-BA / ELH100-CL-B2 / ELH100-CL-60 / ELH100-CL-

22

: INK JET ink

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

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)



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Immediately call a POISON CENTER/doctor(P310)

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
2-Propenoic acid, 2-[2-	30-40%	86273-46-3
(ethenyloxy)ethoxy]ethyl ester		
Acrylate monomer	15-25%	Confidential
1,6-Hexanediol diacrylate	10-20%	13048-33-4
Dipropylene Glycol Diacrylate	5-15%	57472-68-1
2-Hydroxy-3-phenoxypropyl Acrylate	5-15%	16969-10-1
Photo initiator	5-15%	Confidential
4-hydroxy-2,2,6,6-	0.1-5%	2226-96-2
tetramethylpiperidinoxyl		
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 : Dry chemicals, CO2, water spray or regular foam.

Not suitable extinguishing media : Cylindric water.

Specific hazards arising from the : Risk of producing harmful gases such as carbon monoxide. Avoid

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chemical

Special protective equipment and precautions for fire fighters

inhalation of smoke or gases.

Use goggles in combination with dust mask, and another protections as appropriate to situation.

#### Section 6 - Accidental Release Measures

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.

Eye and face protection Wear eye protection/face protection.

Skin protection Wear protective clothing.

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#### Section 9 - Physical and Chemical Properties

**Appearance** 

Physical state Liquid Color Clear

Odor Unique odor Odor threshold No data available No data available Ha Melting point/freezing point No data available No data available Initial boiling point and boiling ranget

>=120°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

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

#### Section 10 - Stability and Reactivity

Stable under normal conditions of use. Reactivity

Stable under normal conditions of use. Chemical stability

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.

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

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

dioxide.

### Section 11 - Toxicological Information

Acute toxicity (Oral) : Category 4:2226-96-2 (converted value = 500mg/kg, source:

Registered substances (ECHA)), 86273-46-3 (toxicity value =

1908mg/kg, source: Self-classification)

Category 5:57472-68-1 (toxicity value = 3530mg/kg, source: Self-

classification)

Classification not possible:13048-33-4 (source: GHS Hazardous Chemical Information List), 16969-10-1 (source: Registered



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

(source: GHS Hazardous Chemical Information List)

No data:Confidential

Calculation result = 2032.8524617mg/kg. Classification result =

Classification not possible.

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 Haze

: Category 2:13048-33-4 (source: GHS Hazardous Chemical Information List), 57472-68-1 (source: Self-classification) Classification not possible:2226-96-2 (source: Registered

substances (ECHA)), 16969–10–1 (source: Registered substances (ECHA)), Confidential (source: NITE), Confidential (source: GHS Hazardous Chemical Information List), 86273–46–3 (source: Self-

classification)

No data:Confidential

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

Category 2.

Serious eye damage/irritation : Category 1:2226-96-2 (source: Registered substances (ECHA)),

16969-10-1 (source: Registered substances (ECHA)), 57472-68-1

(source: Self-classification)

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

Information List)

Classification not possible:Confidential (source: NITE), Confidential (source: GHS Hazardous Chemical Information List), 86273–46–3

(source: Self-classification)

No data:Confidential

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

= Category 1.

Respiratory Sensitization : Unable to classify due to insufficient data.

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

Information List), 57472-68-1 (source: Self-classification),

Confidential (source: GHS Hazardous Chemical Information List),

86273-46-3 (source: Self-classification)

Category 1B:16969-10-1 (source: Registered substances (ECHA))

Classification not possible:2226-96-2 (source: Registered

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

No data:Confidential

Skin Sensitization



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86273-46-3 >= 1% Classification result = Category 1

Unable to classify due to insufficient data. Germ cell mutagenicity Unable to classify due to insufficient data. Carcinogenicity Reproductive toxicity Unable to classify due to insufficient data. Unable to classify due to insufficient data.

Reproductive toxicity, effects on or via

lactation

Specific target organ toxicity - Single

exposure

Specific target organ toxicity -

Repeated exposure

: Unable to classify due to insufficient data.

: Category 2:2226-96-2 (organ = spleen, liver, source: Registered

substances (ECHA))

Classification not possible:13048-33-4 (source: GHS Hazardous Chemical Information List), 16969-10-1 (source: Registered substances (ECHA)), Confidential (source: NITE), 57472-68-1 (source: Self-classification), Confidential (source: GHS Hazardous Chemical Information List), 86273-46-3 (source: Self-classification)

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.

Aspiration hazard Unable to classify due to insufficient data.

### Section 12 - Ecological Information

Hazardous to the Aquatic Environment - : Acute Toxicity

Classification not possible:2226-96-2 (source: Registered substances (ECHA)), 13048-33-4 (source: GHS Hazardous Chemical Information List), 16969-10-1 (source: Registered substances (ECHA)), Confidential (source: NITE), 57472-68-1 (source: Selfclassification). Confidential (source: GHS Hazardous Chemical Information List), 86273-46-3 (source: Self-classification)

No data:Confidential

Contains substance of unknown toxicity. Changed from Not

classified to Classification not possible.

Hazardous to the Aquatic Environment - : Chronic Toxicity

Category 2:16969-10-1 (source: Registered substances (ECHA))

Category 3:86273-46-3 (source: Self-classification)

Category 4:Confidential (source: GHS Hazardous Chemical

Information List)

Classification not possible:2226-96-2 (source: Registered

substances (ECHA)), 13048-33-4 (source: GHS Hazardous Chemical Information List), Confidential (source: NITE), 57472-68-1 (source:

Self-classification)

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No data:Confidential

(M factor x 100 x Category 1) + (10 x Category 2) + Category 3 >= Concentration limit(25%). Classification result = Category 3. does

not apply to the target country.

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

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 : III

IATA

UN number : 3082

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

Transport hazard class(es) : 9
Packing group : III

**ADG** 

UN number : 3082

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

Transport hazard class(es) : 9 Packing group : III

Section 15 - Regulatory Information

No main regulation

Section 16 - Other information

Literature References : SDS of raw material

National Institute of Technology and Evaluation (NITE) GHS

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Classifications List

Regulation (EC) 1272/2008 Annex VI

Regulation (EC) 1907/2006 registered substances

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.

Other data