

Product Identifier: ELH-100 White

SDS No. 037-U328642
Date of issue: 2025/02/25
Date of revision: 2025/05/28

Section 1 - Identification

Product identifier : ELH-100 White

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

Recommended use of the chemical and

restrictions on use

INK JET ink

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)

Immediately call a POISON CENTER/doctor(P310)



Product Identifier: ELH-100 White SDS No. 037-U328642

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

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	10-20%	Confidential
Titanium Oxide	5-15%	13463-67-7
2-Hydroxy-3-phenoxypropyl Acrylate	5-15%	16969-10-1
Dipropylene Glycol Diacrylate	5-15%	57472-68-1
1,6-Hexanediol diacrylate	5-15%	13048-33-4
Photo initiator	1-10%	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

Page 2 of 8



Product Identifier: ELH-100 White SDS No. 037-U328642

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

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.

Methods and materials for containment

: 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

	ACGIH (TLV)	OSHA (PEL)	Occupational Exposure
			Standards
Titanium dioxide	TWA 10 mg/m3,STEL -	15 mg/m3 TWA (total	10 mg/m3 TWA
		dust)	(containing no asbestos
			and <1% crystalline silica,
			inhalable dust)

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

Page 3 of 8



Product Identifier: ELH-100 White SDS No. 037-U328642

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

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.

Section 9 - Physical and Chemical Properties

Appearance

Physical state : Liquid Color : White

Odor : Unique odor

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

Flash point : >=130°C

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

Viscosity : 23±3mPa·s(25°C)

Section 10 - Stability and Reactivity

Reactivity : Stable under normal conditions of use.
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.

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

Page 4 of 8



Acute toxicity (Inhalation : Gases)

Skin corrosion/ Irritation

Acute toxicity (Inhalation: Vapours)

Acute toxicity (Inhalation : dust/mist)

Product Identifier: ELH-100 White SDS No. 037-U328642

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

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:13463-67-7 (source: 1272/2008/EC), 13048-33-4 (source: GHS Hazardous Chemical Information List), 16969-10-1 (source: Registered substances (ECHA)), Confidential (source: NITE), Confidential (source: GHS Hazardous Chemical

Information List)
No data:Confidential

Calculation result = 2052.1635107mg/kg. Classification result =

Classification not possible.

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

: Does not fall under gas based on GHS definitions.

: Unable to classify due to insufficient data.

Unable to classify due to insufficient data.

: Category 2:13048-33-4 (source: GHS Hazardous Chemical Information List), 57472-68-1 (source: Self-classification)

Classification not possible:13463-67-7 (source: 1272/2008/EC), 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:13463-67-7 (source: 1272/2008/EC), 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.



Product Identifier: ELH-100 White SDS No. 037-U328642

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

Skin Sensitization : 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:13463-67-7 (source: 1272/2008/EC), 2226-96-2 (source: Registered substances (ECHA)), Confidential

(source: NITE)
No data:Confidential

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

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

: Category 2:13463-67-7 (source: 1272/2008/EC)

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: Self-classification), Confidential (source: GHS Hazardous Chemical

Information List), 86273-46-3 (source: Self-classification)

No data:Confidential

 $13463-67-7 \ge 1\%$ Classification result = Category 2.

Because the shape is liquid, Changed from Category 2 to

Classification not possible.

Reproductive toxicity : Unable to classify due to insufficient data.

Reproductive toxicity, effects on or via : Unable to classify due to insufficient data.

lactation

Carcinogenicity

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

exposure

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

Repeated exposure substances (ECHA))

Classification not possible:13463-67-7 (source: 1272/2008/EC), 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: Girls Hazardous Orientical Information List), 60275 40

(source: Self-classification)

No data:Confidential

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



Aspiration hazard

Safety Data Sheet

Product Identifier: ELH-100 White SDS No. 037-U328642

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

classified to Classification not possible.
Unable to classify due to insufficient data.

Section 12 - Ecological Information

Hazardous to the Aquatic Environment – : Acute Toxicity

Classification not possible:13463-67-7 (source: 1272/2008/EC), 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: Self-classification), 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:13463-67-7 (source: 1272/2008/EC), 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)

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



Product Identifier: ELH-100 White SDS No. 037-U328642

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

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

High Volume Industrial Chemicals List : Listed

Industrial Chemicals Act : List of Chemicals with High Hazards for Categorisation

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.
