

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	: INK JET ink
restrictions on use	
Manufacturer	
Company name	: MIMAKI ENGINEERING CO., LTD.
Address	: 2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN
Telephone number	: +81-268-64-2413
Importer / Distributor	
Company name	: MIMAKI USA, INC.
Address	: 4851 Thurmon Tanner Parkway, STE 100 Flowery Branch, GA
	30542, U.S.A.
Telephone number	: +1-678-730-0170
Emergency Telephone No.	: +1 866 928 0789 (within United States only, Toll free)
	+1 215 207 0061

2. HAZARDS IDENTIFICATION

Classification of the chemical in accordance with paragraph (d) of 29 CFR § 1910.1200

: Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 1 Sensitization - skin Category 1

GHS	Label	Elements
Sy	mbols	

Signal Word Hazard Statements

Precautionary Statements Prevention

Response

: Danger

:

:

- H315 Causes skin irritation H317 May cause an allergic skin reaction H318 Causes serious eye damage
- 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)
 IF ON SKIN: Wash with plenty of soap and water(P302+P352)
- : IF ON SKIN: Wash with plenty of soap and water(P302+P352) IF IN EYES: Rinse cautiously with water for several minutes.



Storage

Disposal

Safety Data Sheet

Remove contact lenses, if present and easy to do. Continue rinsing(P305+P351+P338)
Immediately call a POISON CENTER or doctor.(P310)
If skin irritation or rash occurs: Get medical advice/attention(P333+P313)
Take off contaminated clothing and wash it before reuse.(P362)
Not applicable.
Dispose of waste in accordance with local,state and federal regulations.(P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances or mixtures	: Mixtures	
Chemical name	Contents	CAS number
2-Propenoic acid, 2-[2-	30-40%	86273-46-3
(ethenyloxy)ethoxy]ethyl ester		
Acrylate monomer	10-20%	Confidential
Titanium Oxide	10-15%	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

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.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Dry chemicals, CO2, water spray or regular foam.
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Safety Data Sheet

Unsuitable extinguishing media	: Cylindric water.
Specific hazards arising from the	: Risk of producing harmful gases such as carbon monoxide. Avoid
chemical	inhalation of smoke or gases.
Special protective equipment and	: Use goggles in combination with dust mask, and another protections
precautions for fire-fighters	as appropriate to situation.

6. ACCIDENTAL RELEASE MEASURES	
Personal precautions, protective equipment and emergency procedures	: Put on appropriate personal protective equipment. Large spills :Evacuate area. Ensure adequate ventilation.
Environmental precautions	: 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.

7. HANDLING AND STORAGE

Precautions for safe 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.
Conditions for safe storage, including any incompatibilities	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Suitable storage conditions

	ACGIH (TLV)	OSHA (PEL)
Titanium dioxide	TWA 10 mg/m3,STEL -	15 mg/m3 TWA (total dust)
Appropriate engineering con	Facilities storing or utilizing	tion in case of production of fume or mist. Ing this material should be equipped with an fety shower. Use explosion-proof electrical form static electricity.

: Store in well-ventilated place. Store locked up.



Individual protection measures

- Respiratory protection
- Hand protection
- Eye protection
- Skin and body protection
- : Wear protective gloves.
- : Wear eye protection/face protection.

If necessary, wear respiratory protection.

: Wear protective clothing.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Appearance		
Physical State	: Liquid	
Color	: White	
Odor	: Unique odor	
Odor threshold	: No data available	
pH	: No data available	
Melting point	: No data available	
Boiling point	: 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	
Specific Gravity (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)	

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.

11. TOXICOLOGICAL INFORMATION

Acute toxicity (Oral)

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



-	Revised: 2025/05/30	
	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: 1272/2008/EC), 16969-10-1 (source: Registered substances (ECHA)), Confidential (source: NITE), Confidential (source: 1272/2008/EC) No data:Confidential	
Acute toxicity (Dermal) Acute toxicity (Inhalation : Gases) Acute toxicity (Inhalation : Vapours) Acute toxicity (Inhalation : dust/mist) Skin corrosion/ Irritation	 Calculation result = 2052.1635107mg/kg. Classification result = Classification not possible. 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: 1272/2008/EC), 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: 1272/2008/EC), 86273-46-3 (source: Self-classification) No data:Confidential 	
Serious eye damage/ irritation	 Sum of Category 2 Concentration limit = 10%. Classification result = Category 2. 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: 1272/2008/EC) Classification not possible:13463-67-7 (source: 1272/2008/EC), Confidential (source: NITE), Confidential (source: 1272/2008/EC), 86273-46-3 (source: Self-classification) No data:Confidential 	:
Respiratory Sensitization Skin Sensitization	 Sum of Eye category 1 Concentration limit = 3%. Classification result = Category 1. Unable to classify due to insufficient data. Category 1:13048-33-4 (source: 1272/2008/EC), 57472-68-1 (source: Self-classification), 86273-46-3 (source: Self-classification) Category 1A:Confidential (source: 1272/2008/EC) 	

Mimaki Product Identifier: ELH-100 White SDS No. 037-U328562 First issue: 2025/01/10 Safety Data Sheet Revised: 2025/05/30 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 $86273-46-3 \ge 0.1\%$ Classification result = Category 1 Germ cell mutagenicity Unable to classify due to insufficient data. : Category 2:13463-67-7 (source: 1272/2008/EC) Carcinogenicity · Classification not possible:2226-96-2 (source: Registered substances (ECHA)), 13048-33-4 (source: 1272/2008/EC), 16969-10-1 (source: Registered substances (ECHA)), Confidential (source: NITE), 57472-68-1 (source: Self-classification), Confidential (source: 1272/2008/EC), 86273-46-3 (source: Self-classification) No data:Confidential $13463-67-7 \ge 0.1\%$ Classification result = Category 2. Because the shape is liquid, Changed from Category 2 to Classification not possible. : Unable to classify due to insufficient data. Reproductive toxicity Reproductive toxicity, effects on or via Unable to classify due to insufficient data. : lactation 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: 1272/2008/EC), 16969-10-1 (source: Registered substances (ECHA)), Confidential (source: NITE), 57472-68-1 (source: Self-classification), Confidential (source: 1272/2008/EC), 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. : Unable to classify due to insufficient data. Aspiration hazard **12. ECOLOGICAL INFORMATION**

Hazardous to the Aquatic Environment - :	Classification not possible:13463-67-7 (source: 1272/2008/EC),
Acute Toxicity	2226-96-2 (source: Registered substances (ECHA)), 13048-33-4



	(source: 1272/2008/EC), 16969-10-1 (source: Registered substances (ECHA)), Confidential (source: NITE), 57472-68-1 (source: Self-classification), Confidential (source: 1272/2008/EC), 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 3:86273-46-3 (source: Self-classification)
	Category 4:Confidential (source: 1272/2008/EC)
	Classification not possible:13463-67-7 (source: 1272/2008/EC),
	2226-96-2 (source: Registered substances (ECHA)), 13048-33-4
	(source: 1272/2008/EC), 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.
Other :	

Residual Waste	: Disposal should be in accordance with applicable regional, nationa and local laws and regulations. Passed to a licensed waste contractor.	l
Contaminated Container and Packaging	 Disposal should be in accordance with applicable regional, nationa and local laws and regulations. Passed to a licensed waste contractor. In case of disposal of empty containers, remove the 	I
	content thoroughly.	

4. TRANSPORT INFORMATION	
IMDG	
UN number	: 3082
UN proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport hazard class(es)	: 9
Packing group	: 11
ΙΑΤΑ	
UN number	: 3082
UN proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.



Transport hazard class(es)	: 9
Packing group	: 11
DOT	
UN number	: 3082
UN proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport hazard class(es)	: 9
Packing group	: 11

15. REGULATORY INFORMATION

U.S. – RTK (Right To Know) List	 New Jersey - RTK (Right to Know) - Hazardous Substance List Pennsylvania - RTK (Right to Know) List Massachusetts - RTK (Right To Know) List California - Cleaning Products RTK (Right to Know) - Substances in Designated List California - Menstrual Products Right to Know Act - Substances in Designated Lists California - Cosmetic Fragrance and Flavor Ingredient Right to Know
California – Safer Consumer Products TSCA (Toxic Substances Control Act)	 Act - Substances in Designated Lists Informational List of Candidate Chemicals and Chemical Groups Section 5(a)(2) - Chemicals with Significant New Use Rules (SNURs) (2-Propenoic acid, 2-[2-(ethenyloxy)ethoxy]ethyl ester)
California Proposition 65	: WARNING This product can expose you to chemicals including titanium dioxide which is known to the State of California to cause

16. OTHER INFORMATION

National Fire Protection Association(U.S.A)	•
Health	: 3
Flammability	
Reactivity	
Specific hazard	: Not applicable
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.

cancer. For more information go to www.P65Warnings.ca.gov.



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