Safety Data Sheet

Section 1 – Identification

Product identifier	UV ink LH-100/LF-200 Washing Liquid
Product code	SPC-0606FS-2
Ink Ver.	2
Recommended use of the chemical and restrictions on use	Cleaning solution for ink jet printer
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

Serious eye damage/eye irritation Category 1

Label elements, including precautionary statements

Pictograms or Symbols

Signal Word	Danger
Hazard Statements	H318 Causes serious eye damage

Precautionary Statements

Prevention	Wear eye protection/face protection.(P280)
Response	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)

Section 3 – Composition and Information on Ingredients

Substances or mixture: Mixtures

Ingredients name	Contents	Chemical formula	CAS RN
Higher Alcohols	35-45%	Unknown	Confidential
Polyethylene glycol mono butyl ether	35-45%	Unknown	9004-77-7
2,2,4-Trimethyl-1,3,-pentanediol	15-35%	C16H30O4	6846-50-0

diisobutyrate			
N,N-Dimethyloctadecan-1-ylamine	0-1%	C20H43N	124-28-7

Section 4 - First Aid Measures

In case of inhalation	Call a doctor if you feel unwell.
In case of skin contact	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice and attention.
In case of eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
In case of ingestion	Rinse mouth. IF SWALLOWED: Call a doctor if you feel unwell.

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 chemical	Risk of producing harmful gases such as carbon monoxide. Avoid inhalation of smoke or gases.
Special protective equipment and precautions for fire fighters	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	Use goggles in combination with dust mask, and another protections as appropriate to situation. Large spills :Evacuate area. Ensure adequate ventilation.
Environmental precautions	Do not discharge into the drains, surface waters or ground water directly.
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	Avoid release to the environment.
Storage	
Suitable storage conditions	Store in well-ventilated place.

Section 8 - Exposure controls and personal protection

Control parameters	No data available

Engineering controls	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, for example personal protective equipment (PPE)	
Eye and face protection	If necessary, wear protective eye protection.
Skin protection	If necessary, wear protective clothing.
Hand protection	If necessary, wear protective gloves.
Respiratory protection	If necessary, wear respiratory protection.

Section 9 - Physical and Chemical Properties

Appearance	
Physical state	Liquid
Color	Clear
Odor	Slight 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	128℃
Evaporation rate	No data available
Flammability(Solid,Gas)	No data available
Flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.9-1.0
Solubility	Non-water-soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	11-13mPa・s(25℃)

Section 10 - Stability and Reactivity

Reactivity	No information available.
Chemical stability	Stable under normal handling.
Possibility of hazardous reactions	May react with acids, oxidising agents and strong oxidising agents.
Conditions to avoid	High temperatures, flames, sparks, ignition sources. Contact with incompatible hazardous substances.
Incompatible materials	Acids, oxidising agents, strong oxidising agents.

Hazardous decomposition products	May generate toxic gases (CO, CO2, etc.) by combustion, etc.

Section 11 - Toxicological Information

Acute toxicity (Oral)	Category 4:124-28-7 (converted value = 500mg/kg, source: GHS Hazardous Chemical Information List) Not classified:6846-50-0 (source: NITE) Classification not possible:9004-77-7 (source: Registered substances (ECHA)) No data: Confidential Calculation result = 100400mg/kg. Classification result = Classification not possible.
Acute toxicity (Dermal)	Not classified:6846-50-0 (toxicity value = 18900mg/kg, source: NITE) Classification not possible:124-28-7 (source: GHS Hazardous Chemical Information List), 9004-77-7 (source: Registered substances (ECHA)) No data: Confidential Contains substance of unknown toxicity. Changed from Not classified to Classification not possible.
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)	Not classified:6846-50-0 (source: NITE) Classification not possible:124-28-7 (source: GHS Hazardous Chemical Information List), 9004-77-7 (source: Registered substances (ECHA)) No data: Confidential Contains substance of unknown toxicity. Changed from Not classified to Classification not possible.
Skin corrosion/ Irritation	Category 1-1B:124-28-7 (source: GHS Hazardous Chemical Information List) Not classified:6846-50-0 (source: NITE) Classification not possible:9004-77-7 (source: Registered substances (ECHA)) 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.
Serious eye damage/ irritation	Category 1:9004-77-7 (source: Registered substances (ECHA)) Not classified:6846-50-0 (source: NITE) Classification not possible:124-28-7 (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	Unable to classify due to insufficient data.
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 exposure	Category 3:124-28-7 (organ = respiratory tract irritation, source: GHS Hazardous Chemical Information List) Classification not possible:6846-50-0 (source: NITE), 9004-77-7 (source: Registered substances (ECHA)) 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.
Specific target organ toxicity – Repeated exposure	Unable to classify due to insufficient data.
Aspiration hazard	Unable to classify due to insufficient data.

Section 12 – Ecological Information

Hazardous to the Aquatic Environment – Acute Toxicity	Category 2:6846-50-0 (source: NITE) Classification not possible:124-28-7 (source: GHS Hazardous Chemical Information List), 9004-77-7 (source: Registered substances (ECHA)) 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 Aquatic Environment – Chronic Toxicity	Category 3:6846-50-0 (source: NITE) Classification not possible:124-28-7 (source: GHS Hazardous Chemical Information List), 9004-77-7 (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	Before disposal, make the wastes harmless, stabilized, and neutralized, and minimize danger and toxicity of the wastes. Dispose of waste in accordance with local,state and federal regulations.
Contaminated container and packaging	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

16. OTHER INFORMATION

Literature References	SDS of raw material NITE Website ECHA Website
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.