

Safety Data Sheet

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
Manufacturer	MIMAKI ENGINEERING CO., LTD. 2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN +81-268-64-2413
Importer / Distributor	MIMAKI USA, INC. 4851 Thurmon Tanner Parkway, STE 100 Flowery Branch, GA 30542, U.S.A. +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

Serious eye damage/eye irritation Category 1
Hazardous to the Aquatic Environment – Acute Hazard Category 2
Hazardous to the Aquatic Environment – Long Term Hazard Category 2

GHS Label Elements
Symbols



Signal Word

Danger

Hazard Statements

H318 Cause serious eye damage

H411 Toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention

Avoid release to the environment. (P273)

Wear protective gloves/protective clothing/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 or doctor. (P310)

Collect spillage. (P391)

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Storage	None
Disposal	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
Higher Alcohols	35-45%	Trade Secret
Polyethylene glycol mono butyl ether	35-45%	9004-77-7
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	15-35%	6846-50-0
N,N-Dimethyloctadecan-1-ylamine	0-1%	124-28-7

4. FIRST-AID MEASURES

In case of inhalation	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician.
In case of skin contact	Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. Get medical attention if irritation develops.
In case of eye contact	Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention
In case of ingestion	Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get medical attention. IF SWALLOWED: Call a doctor if you feel unwell.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	carbon dioxide, regular dry chemical, water spray
Unsuitable extinguishing media	Do not use straight streams.
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	Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Wear personal protective clothing and equipment, see Section 8.
Environmental precautions	Large spills :Evacuate area. Ensure adequate ventilation. Avoid release to the environment. Do not discharge into the drains, surface waters or ground water directly.

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Methods and materials for containment and cleaning up

Small spills: Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.
Large spills: Dike for later disposal. Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind and keep out of low areas.

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

Wear protective gloves/protective clothing/eye protection/face protection

Do not breathe dust/fume/gas/mist/vapours/spray.

Conditions for safe storage, including any incompatibilities

Suitable storage conditions

Store in well-ventilated place.

Keep away from incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

No data available

Appropriate 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

Respiratory protection

If necessary, wear respiratory protection.

Hand protection

If necessary, wear protective gloves.

Eye protection

If necessary, wear protective eye protection.

Skin and body protection

If necessary, wear protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State

Liquid

Color

Clear

Odor

Practically odorless

Odor threshold

Not available

pH

Not available

Melting point

Not available

Boiling point

Not available

Flash point

128°C(2,2,4-Trimethyl-1,3,-pentanediol diisobutyrate)

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Evaporation rate	Not available
Flammability(Solid, Gas)	Not available
Flammability or explosive limits	
Lower Limit	Not available
Upper Limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific Gravity (Density)	0.9-1.0
Solubility	Sparingly soluble
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	11-13mPa·s(25°C)

10. STABILITY AND REACTIVITY

Reactivity	No information available.
Chemical stability	Stable at standard temperatures and pressure.
Possibility of hazardous reactions	No decomposition if stored and applied as directed.
Conditions to avoid	Stable under normal handling and storage conditions.
Incompatible materials	Acid, Oxidising agents and Strong oxidising agents.
Hazardous decomposition products	Build-up of dangerous/toxic fumes possible in cases of fire/high temperature. Nitrogen oxides (NOX), Carbon monoxide, dioxide and unburned hydrocarbons (smoke).

11. TOXICOLOGICAL INFORMATION

Acute toxicity (Oral)	Not classified ATEmix > 2,000mg/kg
Acute toxicity (Dermal)	Not classified ATEmix > 2,000mg/kg
Acute toxicity (Inhalation : Gases)	Classification not possible due to lack of data
Acute toxicity (Inhalation : Vapours)	Classification not possible due to lack of data
Acute toxicity (Inhalation : dust/mist)	Not classified ATEmix > 5mg/L
Skin corrosion/ Irritation	Not classified N,N-Dimethyloctadecan-1-ylamine: Category 1 (0-1%)
Serious eye damage/ irritation	Category 1 Polyethylene glycol mono butyl ether: Category 1 (35-45%) N,N-Dimethyloctadecan-1-ylamine: Category 2A (0-1%)
Respiratory Sensitization	Classification not possible due to lack of data
Skin Sensitization	Classification not possible due to lack of data
Germ cell mutagenicity	Classification not possible due to lack of data

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Carcinogenicity	Classification not possible due to lack of data
Reproductive toxicity	Classification not possible due to lack of data
Reproductive toxicity, effects on or via lactation	Classification not possible due to lack of data
Specific target organ toxicity – Single exposure	Classification not possible due to lack of data
Specific target organ toxicity – Repeated exposure	Classification not possible due to lack of data
Aspiration hazard	Classification not possible due to lack of data

12. ECOLOGICAL INFORMATION

Hazardous to the Aquatic Environment – Acute Toxicity	Category 2 2,2,4-Trimethyl-1,3,-pentanediol diisobutyrate: Category 2 (15–35%) N,N-Dimethyloctadecan-1-ylamine: Category 1 (0–1%)
Hazardous to the Aquatic Environment – Chronic Toxicity	Category 2 2,2,4-Trimethyl-1,3,-pentanediol diisobutyrate: Category 3 (15–35%) N,N-Dimethyloctadecan-1-ylamine: Category 1 (0–1%)
Hazardous to the Ozone layer	Classification not possible due to lack of data

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.

14. TRANSPORT INFORMATION

IMDG	
UN/ID No	UN3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Hazard Class	9
Packing Group	III
IATA	
UN/ID No	UN3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Hazard Class	9
Packing Group	III

15. REGULATORY INFORMATION

California Proposition 65	Not regulated under California Proposition 65
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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.