



Safety Data Sheets

Product Name:
UVink F-200 Washing Liquid / F-200/LF-200 Washing Liquid
SDS No. 037-C070258
First issue: 2014/01/22
Revised:

1. Identification

Product Name : UVink F-200 Washing Liquid / F-200/LF-200 Washing Liquid
Order No. : SPC-0516FS / SPC-0568 / SPC-0569
Ink Ver. : 1
General Use : Cleaning solution for ink jet printer
Product Description : Solvent liquid
SDS Number : 037-C070258
Manufacture
Company Name : Mimaki Engineering Co., Ltd.
Address : 2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN
Telephone No. : +81-268-64-2413
Importer / Distributor Established in USA
Company Name : MIMAKI USA, INC.
Address : 150 Satellite Boulevard, suite A, Suwanee, Georgia 30024, U.S.A.
Telephone No. : +1-678-730-0100
Emergency Telephone No. : +81-268-64-2281

2. Hazards Identification

[GHS Classification]

Physical Hazards

Flammable Liquids : Not classified
Pyrophoric Liquids : Not classified

Health Hazards

Acute Toxicity – Oral : Not classified
Acute Toxicity – Dermal : Not classified
Skin Corrosion / Irritation : Not classified
Eye Damage / Irritation : Category2B
Sensitization – Skin : Not classified
Aspiration Hazard : Category1

Environmental Hazards

Hazardous to the Aquatic : Not classified
Environment - Acute Hazard

Safety Data Sheets

Hazardous to the Aquatic : Not classified
Environment - Long Term Hazard

The above list does not include category being non-classifiable or not-applicable.

[GHS Label Elements]

Symbol



Signal Word
Danger

Hazard Statements

H304 May be fatal if swallowed and enters airways
H320 Causes eye irritation

Precautionary Statements

[Prevention]

P264 Wash hands and eyes thoroughly after handling.

[Response]

P331 Do NOT induce vomiting.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

[Disposal]

P501 Dispose of contents/container in accordance with local/regional/national/international regulation (to be specified).

3. Composition / Information on Ingredients

Chemical name	Wt%	CAS No.	Chemical formula
Diethylene glycol mono ethyl ether acetate	90-100	112-15-2	CH ₃ COO(CH ₂ CH ₂ O) 2CH ₂ CH ₃

4. First Aid Measures

Inhalation : Fresh air, rest. Artificial respiration if indicated. Refer for doctor.
Skin and eye contact

Safety Data Sheets

Skin	: Remove contaminated clothes. Rinse and wash skin with water and soap.
Eye	: First rinse with plenty of water for several minutes, then take to a doctor.
Ingestion	: Rinse mouth. Do not induce vomiting. Refer for medical attention.
Most important symptoms/effects, acute and delayed.	: The substance irritates the eyes, the skin, and the respiratory tract. Inhalation of this gas may cause headache, dizziness, nausea, unconsciousness, etc.
Indication of immediate medical attention and special treatment required.	: No information

5. Fire Fighting Measures

Suitable extinguishing media	: POWDER, AFFF, FOAM, CARBON DIOXIDE, etc. NO WATER !
Specific hazards arising from the substance or mixture	: No information.
Special protective equipment and precautions for fire-fighters.	: Combat fire out off sheltered position. Avoid fire. No open flames. No sparks. No smoking.

6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures	: No information
Methods and materials for containment and cleaning up	: Avoid fire. Collect leaking liquid in sealable containers, absorb remaining liquid in sand or inert absorbent and remove to safe place. Do not wash away into sewer.

7. Handling and Storage

Precautions for safe handling	: Avoid fire.
-------------------------------	---------------

Safety Data Sheets

Conditions for safe storage, including any incompatibilities
: Keep in the cool and dark place.

8. Exposure Controls / Personal Protection

Exposure Limit Values

Chemical Name	CAS No.	Agency	Limit type	Additional Comments
Diethylene glycol mono ethyl ether acetate	112-15-2	ACGIH	TWA 100mg/m ³	

ACGIH: American Conference of Governmental Industrial Hygienists

Engineering controls

: Necessary (ventilation, local exhaust).

Personal protective equipment

Respiratory Protection : Optional(gas mask, breathing protection).
Hand Protection : Protective gloves: optional.
Eye Protection : Optional (safety goggles).
Skin Protection : Optional (extra personal protection).

9. Physical and Chemical Properties

Appearance - Physical state : liquid
- Color : Colorless transparent
Odor : Solvent smell
Odor threshold : Not available
pH : Not available
Melting point/freezing point : ≤ -25°C
Initial boiling point and boiling range : 217 (°C)
Flash Point : 116.0 °C
Evaporation rate : Not available
Flammability (solid, gas) : Not available
Upper/lower flammability or explosive limits : LEL 0.9 vol.% UEL 8.5 vol.%
Vapor pressure : 13 Pa(20°C)

Safety Data Sheets

Vapor density	: Not available
Specific gravity	: 1.012(20/20°C)
Solubility(ies);	Water : soluble
Partition coefficient: n-octanol/water	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity	: Not available
VOC	: Not available

10. Stability and Reactivity

Reactivity	: No information.
Chemical stability	: Stable (neutral)
Possibility of hazardous reactions	Polymerization: Will not occur.
Conditions to avoid	: None reactive (avoid sunlight).
Incompatible materials	: Oxidants
Hazardous decomposition products	: Burning to poisonous gas.

11. Toxicological Information

Information on Toxicological effects

Inhalation

: The substance irritates the respiratory tract.
Inhalation of this gas may cause headache,dizziness,nausea,unconsciousness,etc.

Ingestion

: Not classified

skin and eye contact

Skin : The substance irritates the skin.
Eye : The substance irritates the eyes.

Germ Cell Mutagenicity

: Not applicable

Carcinogenicity

: Not applicable



Product Name:
UVink F-200 Washing Liquid / F-200/LF-200 Washing Liquid
SDS No. 037-C070258
First issue: 2014/01/22
Revised:

Safety Data Sheets

National Toxicology Program (NTP) Report on Carcinogens (latest edition)

Substance name	CAS No.	
Not applicable		

International Agency for Research on Cancer (IARC)

Agent	CAS No.	Group
Not applicable		

Occupational Safety and Health Standards(OSHA)

§ 1910.1003 13 Carcinogens (4-Nitrobiphenyl, etc.).

Substance name	CAS No.
Not applicable	

Toxic to Reproduction

: Not applicable

Specific Target Organ Toxicity (Single Exposure)

: Not applicable

Specific Target Organ Toxicity (Repeated Exposure)

: Not applicable

Numerical measures of toxicity

[Acute Toxicity]

Name	Route	Species	Value
No information			

[Skin Corrosion/Irritation]

Name	Species	Value
No information		

[Eye Damage/Irritation]

Name	Species	Value
No information		

[Sensitization – Respiratory]

Name	Species	Value



Product Name:
UVink F-200 Washing Liquid / F-200/LF-200 Washing Liquid
SDS No. 037-C070258
First issue: 2014/01/22
Revised:

Safety Data Sheets

No information		
----------------	--	--

[Sensitization – Skin]

Name	Species	Value
No information		

[Germ Cell Mutagenicity]

Name	Route	Value
No information		

[Carcinogenicity]

Name	Route	Species	Value
No information			

[Toxic to Reproduction]

Name	Route	Species	Value	Test Result	Exposure Duration
No information					

[Specific Target Organ Toxicity (Single Exposure)]

Name	Route	Target Organ(s)	Species	Value	Test Result	Exposure Duration
No information						

[Specific Target Organ Toxicity (Repeated Exposure)]

Name	Route	Target Organ(s)	Species	Value	Test Result	Exposure Duration
No information						

[Aspiration Hazard]

Name	Value
No information	

12. Ecological Information



Safety Data Sheets

Handling is noted because it might influence the environment when leaking and abandoning it.

Especially, note that the product doesn't flow directly to ground, the river, and the drain ditch.

Ecotoxicity	: Not classified
Persistence and degradability	: No information
Bioaccumulative potential	: No information
Mobility in soil	: No information
Other adverse effects	: No information

13. Disposal Considerations

Dispose of contents/container in accordance with local/regional/national/international regulation (to be specified).

14. Transport Information

UN number	: Not applicable
UN proper shipping name	: Not applicable
Transport hazard class(es)	: Not applicable
Packing group	: Not applicable
Environmental hazards	
Marine pollutant	: No
Special precautions	: No information

15. Regulatory Information

TSCA Status	: All components on TSCA INVENTORY.
California Proposition 65	: Not regulated
Others	: No information

16. Other Information



Safety Data Sheets

Product Name:
UVink F-200 Washing Liquid / F-200/LF-200 Washing Liquid
SDS No. 037-C070258
First issue: 2014/01/22
Revised:

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Mimaki Engineering Corporation.

It relates only to the specific material designated herein, and does not relate to use in combination with any other material or process.

Mimaki Engineering Corporation assumes no legal responsibility for use or reliance upon this information.