Safety Data Sheet

Product identifier: Maintenance Liquid 16
SDS No. 037-C287423
First issue: 2023/03/23
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Section 1 – Identification

Product identifier	Maintenance Liquid 16
Product code	ML016-Z-B2 / ML016-Z-K1
Recommended use of the chemical and restrictions on use	Maintenance liquid for inkjet printers
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 2
Specific target organ toxicity (repeated exposure) Category 2(liver kidney)

Label elements, including precautionary statements

Pictograms or Symbols

Signal Word	Warning
Hazard Statements	H319 Causes serious eye irritation H373 May cause damage to organs(liver,kidney) through prolonged or repeated exposure

Precautionary Statements

Prevention	Do not breathe mist, vapours and spray.(P260) Wash thoroughly after handling.(P264) 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) Get medical advice/attention if you feel unwell(P314) If eye irritation persists: Get medical advice/attention(P337+P313)
Storage	None
Disposal	Dispose of waste in accordance with local,state and federal regulations.(P501)

Section 3 – Composition and Information on Ingredients

Substances or mixture: Substances

Ingredients name	Contents	Chemical formula	CAS RN
3-methoxy-N,N-dimethylpropionamide	90-100%	Unknown	53185-52-7

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	CO2, dry chemical, dry sand, alcohol-resistant foam, and water fog.
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	Wear eye protection/face protection. Do not breathe dust/fume/gas/mist/vapours/spray.

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	No data available
Odor threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling ranget	215℃
Flash point	99℃ (ASTM D6450), 116℃ (Cleveland open-cup)
Evaporation rate	No data available
Flammability(Solid,Gas)	Combustible
Flammability or explosive limits	
Lower limit	1.1 vol%(120℃)
Upper limit	34.0 vol%(200℃)
Vapor pressure	75.5Pa (20℃)
Vapor density	No data available
Relative density	0.994 (20 ℃)
Solubility	>500g/l (21.5 ℃)
Partition coefficient: n-octanol/water	Log10Pow < 0.3 (25℃)
Auto-ignition temperature	219℃
Decomposition temperature	No data available
Viscosity	2.3mPa・s(20℃)

Section 10 - Stability and Reactivity

Reactivity	No information available.
Chemical stability	The product is chemically stable.
Possibility of hazardous reactions	No decomposition if stored and applied as directed.
Conditions to avoid	No information available.
Incompatible materials	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).

Section 11 - Toxicological Information

Acute toxicity (Oral)	Classification not possible:53185-52-7 (source: Registered substances (ECHA))
Acute toxicity (Dermal)	Classification not possible:53185-52-7 (source: Registered substances (ECHA))
Acute toxicity (Inhalation : Gases)	Classification not possible:53185-52-7 (source: Registered substances (ECHA))
Acute toxicity (Inhalation : Vapours)	Classification not possible:53185-52-7 (source: Registered substances (ECHA))
Acute toxicity (Inhalation : dust/mist)	Classification not possible:53185-52-7 (source: Registered substances (ECHA))
Skin corrosion/ Irritation	Classification not possible:53185-52-7 (source: Registered substances (ECHA))
Serious eye damage/ irritation	Category 2:53185-52-7 (source: Registered substances (ECHA))
Respiratory Sensitization	Classification not possible:53185-52-7 (source: Registered substances (ECHA))
Skin Sensitization	Classification not possible:53185-52-7 (source: Registered substances (ECHA))
Germ cell mutagenicity	Classification not possible:53185-52-7 (source: Registered substances (ECHA))
Carcinogenicity	Classification not possible:53185-52-7 (source: Registered substances (ECHA))
Reproductive toxicity	Classification not possible:53185-52-7 (source: Registered substances (ECHA))
Reproductive toxicity, effects on or via lactation	Classification not possible:53185-52-7 (source: Registered substances (ECHA))
Specific target organ toxicity - Single exposure	Classification not possible:53185-52-7 (source: Registered substances (ECHA))
Specific target organ toxicity - Repeated exposure	Category 2:53185-52-7 (organ = liver、kidney, source: Registered substances (ECHA))
Aspiration hazard	Classification not possible:53185-52-7 (source: Registered substances (ECHA))

Section 12 - Ecological Information

Hazardous to the Aquatic Environment - Acute Toxicity	Classification not possible:53185-52-7 (source: Registered substances (ECHA))
Hazardous to the Aquatic Environment - Chronic Toxicity	Classification not possible:53185-52-7 (source: Registered substances (ECHA))
Hazardous to the Ozone layer	Classification not possible:53185-52-7 (source: Registered substances (ECHA))

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	Not dangerous goods
IATA	Not dangerous goods
ADG	Not dangerous goods

Section 15 - Regulatory Information

No main regulation

Component Analysis - Inventory

3-methoxy-N,N-dimethylpropionamide (53185-52-7)

TSCA - United States	ENCS - Japan	KECI Annex 1, 2 - Korea	DSL/NDSL - Canada	AICS - Australia	EINECS/ELINCS - European Union	TCSI - Taiwan	DIW - Thailand
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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.