

Product identifier: TP410 Black

SDS No. 037-W577885 First issue: 2024/01/17 Revised: 2024/07/30

Section 1 - Identification

Product identifier TP410 Black Product code TP410-K-2L Recommended use of the chemical and Inkjet printing ink

restrictions on use

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

Not classified.

Label elements, including precautionary

statements

Pictograms or Symbols None Signal Word None Hazard Statements None

Precautionary Statements

Prevention None Response None Storage None Disposal None

#### Section 3 - Composition and Information on Ingredients

Substances or mixture		Mixture	Mixture	
	Ingredients name	Contents	CAS RN	
	glycerol	10-20%	56-81-5	
	propane-1,2-diol	3-5%	57-55-6	
	2,2'-(ethylenedioxy)diethanol	3-5%	112-27-6	
	Others	70-84%	Trade Secret	

#### Section 4 - First Aid Measures

Description of necessary first aid measures

Eye contact Immediately flush eyes with plenty of water, occasionally lifting the

upper and lower eyelids. Check for and remove any contact lenses. Get

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medical attention if irritation occurs.

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. Remove contaminated

clothing and shoes. Get medical attention if symptoms occur.

Ingestion Wash out mouth with water. If material has been swallowed and the

> exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get

medical attention if symptoms occur.

### Section 5 - Fire Fighting Measures

Extinguishing media

Suitable extinguishing media Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media None known.

Specific hazards arising from the

chemical

In a fire or if heated, a pressure increase will occur and the container

may burst.

Hazardous thermal decomposition

products

Decomposition products may include the following materials:

carbon dioxide

carbon monoxide

Special protective actions for fire-

fighters

Promptly isolate the scene by removing all persons from the vicinity of

the incident if there is a fire. No action shall be taken involving any

personal risk or without suitable training.

Special protective equipment for fire-

fighters

Fire-fighters should wear appropriate protective equipment and selfcontained breathing apparatus (SCBA) with a full face-piece operated

in positive pressure mode.

### Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel No action shall be taken involving any personal risk or without suitable

training. Evacuate surrounding areas. Keep unnecessary and

unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

If specialized clothing is required to deal with the spillage, take note of For emergency responders

any information in Section 8 on suitable and unsuitable materials. See

also the information in "For non-emergency personnel".

Environmental precautions Avoid dispersal of spilled material and runoff and contact with soil,

> waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or

air).

Methods and materials for containment and cleaning up

Small spill Stop leak if without risk. Move containers from spill area. Dilute with

water and mop up if water-soluble. Alternatively, or if water-insoluble,

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Large spill

absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor.

### Section 7 - Handling and Storage

Precautions for safe handling

Protective measures

Advice on general occupational

hygiene

Conditions for safe storage, including any incompatibilities

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Store in accordance with local regulations. Store in original container

protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

#### Section 8 - Exposure controls and personal protection

### Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
glycerol	Safe Work Australia (Australia, 12/2019).
	TWA: 10 mg/m³ 8 hours.
	EH40/2005 WELs (United Kingdom (UK), 1/2020).
	TWA: 10 mg/m³ 8 hours. Form: Mist
	DFG MAC-values list (Germany, 8/2020).
	TWA: 200 mg/m³ 8 hours. Form: inhalable fraction
	PEAK: 400 mg/m³, 4 times per shift, 15 minutes. Form: inhalable
	fraction
propane-1,2-diol	Safe Work Australia (Australia, 12/2019).
	TWA: 10 mg/m³ 8 hours. Form: Particulate
	TWA: 150 ppm 8 hours. Form: Vapor and particulates

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	TWA: 474 mg/m³ 8 hours. Form: Vapor and particulates			
	EH40/2005 WELs (United Kingdom (UK), 1/2020).			
	TWA: 10 mg/m³ 8 hours. Form: Particulate			
	TWA: 474 mg/m³ 8 hours. Form: total vapour and particulates			
	TWA: 150 ppm 8 hours. Form: total vapour and particulates			
2,2'-(ethylenedioxy)diethanol	DFG MAC-values list (Germany, 8/2020).			
	TWA: 1000 mg/m³ 8 hours. Form: inhalable fraction			
	PEAK: 2000 mg/m³, 4 times per shift, 15 minutes. Form: inhalable			
	fraction			
Appropriate engineering controls	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.			
Environmental exposure controls	Emissions from ventilation or work process equipment should be			
	checked to ensure they comply with the requirements of environmental			
	protection legislation. In some cases, fume scrubbers, filters or			
	engineering modifications to the process equipment will be necessary			
	to reduce emissions to acceptable levels.			
	·			
Individual protection measures				
Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical			
	products, before eating, smoking and using the lavatory and at the end			
	of the working period. Appropriate techniques should be used to			
	remove potentially contaminated clothing. Wash contaminated clothing			
	before reusing. Ensure that eyewash stations and safety showers are			
	close to the workstation location.			
Eye/face protection	Safety eyewear complying with an approved standard should be used			
	when a risk assessment indicates this is necessary to avoid exposure			
	to liquid splashes, mists, gases or dusts. If contact is possible, the			
	following protection should be worn, unless the assessment indicates a			
	higher degree of protection: safety glasses with side-shields.			
Skin protection				
Hand protection	Chemical-resistant, impervious gloves complying with an approved			
	standard should be worn at all times when handling chemical products			
	if a risk assessment indicates this is necessary.			
Body protection	Personal protective equipment for the body should be selected based			
	on the task being performed and the risks involved and should be			
	approved by a specialist before handling this product.			
Other skin protection	Appropriate footwear and any additional skin protection measures			
	should be selected based on the task being performed and the risks			
	involved and should be approved by a specialist before handling this			
	product.			
Respiratory protection	Based on the hazard and potential for exposure, select a respirator			
	that meets the appropriate standard or certification. Respirators must			



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be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

#### Section 9 - Physical and Chemical Properties

**Appearance** 

Physical state Liquid. Color Black.

Odor Characteristic. Odor threshold Not available.

Hq 7-9

Melting point/freezing point Not available. Boiling point Not available. Not flammable Flash point Not available. Evaporation rate Flammability(Solid, Gas) Not available.

Flammability or explosive limits

Lower limit Not available. Not available. Upper limit Not available. Vapor pressure Vapor density Not available. 1.0 - 1.1Relative density

Solubility Not available. Partition coefficient: n-octanol/water Not available. Not available. Auto-ignition temperature Decomposition temperature Not available. 5-7mPa·s(25°C) Viscosity

#### Section 10 - Stability and Reactivity

No specific test data related to reactivity available for this product or Reactivity

its ingredients.

Chemical stability The product is stable.

Possibility of hazardous reactions Under normal conditions of storage and use, hazardous reactions will

not occur.

Conditions to avoid No specific data. Incompatible materials No specific data.

Hazardous decomposition products Under normal conditions of storage and use, hazardous decomposition

products should not be produced.

### Section 11 - Toxicological Information

Acute toxicity (Oral) Not available. Not available. Acute toxicity (Dermal) Not available. Acute toxicity (Inhalation : Gases)



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Acute toxicity (Inhalation: Vapours) Not available. Acute toxicity (Inhalation: dust/mist) Not available. Skin corrosion/ Irritation Not available. Not available. Serious eye damage/irritation Respiratory Sensitization Not available. Skin Sensitization Not available. Germ cell mutagenicity Not available. Not available. Carcinogenicity Not available. Reproductive toxicity Reproductive toxicity, effects on or via Not available. lactation

Specific target organ toxicity - Single

exposure

Specific target organ toxicity -

Repeated exposure

Aspiration hazard

Not available.

Not available.

Not available.

### Section 12 - Ecological Information

Hazardous to the Aquatic Environment -

Acute Toxicity

Hazardous to the Aquatic Environment –

Chronic Toxicity

Hazardous to the Ozone layer

Not available.

Not available.

Not available.

#### Section 13 - Disposal considerations

Disposal methods

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### Section 14 - Transport Information

International regulations

**IMDG** Not regulated. IATA Not regulated. **ADG** Not regulated.



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### Section 15 - Regulatory Information

Model Work Health and Safety Regulations - Scheduled Substances No listed substance

### 16. OTHER INFORMATION

Literature References Other data

SDS of raw material

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.

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