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MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2017/03/28 19994-1069

	SAF	ETY DATA SH	IEET	19994-
1. Product and Comp	any Identification			
[Product name]	PC-3ML Blue			
[File No.]	100301E			
[Date of issue]	2017/03/28			
[Details of Manufactur				
2	Manufacture's name:	MITSUBISHI PENCIL	CO., LTD.	
	Address:		HI, SHINAGAWA, TOKYO, 、	
	Telephone number: (Only office hour are available.)	03-3458-6281		450-0363
2. Hazards identificati	ion			
Information of this :	section is about the ink.			
	e substance or mixture]			
PHYSICO-CHEM	· -			
Not applicable.				
HEALTH HAZAR				
Acute toxicity			: Not classified	
Acute toxicity	(skin)		: Not classified	
-	(inhalation steam)		: Not classified	
Skin corrosion			: Category3	
Serious eye da	mage/Eye Irritation		: Not classified	
Respiratory se			: Classification not possibl	e
Skin sensitizer			: Category1	
Germ cell muta	agenicity		: Category1	
Carcinogenicity			: Category2	
Toxic to repro	duction		: Category1	
Specific target	organ systemic toxicity	(single exposure)	: Category1	
Specific target organ systemic toxicity(repeated exposure)		(repeated exposure)	: Category1	
Aspiration hazard			: Not classified	
ENVIRONMENTA	L HAZARDS			
Hazard to the	Aquatic Environment (A	cute)	: Classification not possibl	e
Hazard to the	Aquatic Environment (C	hronic)	: Not classified	
[Label elements]				
Pictogram				
Signal Word	: Danger			
Hazard Statemen	-	mild skin irritation		
	: May ca	use an allergic skin read	ction	
		use genetic defects		
		ted of causing cancer		
	: May dar	mage fertility or the unl	oorn child	
		damage to organs		
			ugh prolonged or repeated exp	osure
Precautionary St	atement			

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100301E	MITSUBISHI PENCIL CO., LTD.	[Date of issue]:2017/03/28
	: Do not breathe dust/vapours etc	
	: Do not eat, drink or smoke when using this produc	it.
	: Use personal protective equipment as required. (R	efer to Section 8)
	: Get medical advice/attention if you feel unwell.	
	: Wash contaminated clothing before reuse.	
	: IF ON SKIN: Wash with plenty of soap and water.	
	: IF exposed or concerned: Get medical advice/atte	ention.
	: If skin irritation occurs: Get medical advice/attent	ion.
	: If skin irritation or rash ouuurs: Get medical advice	e/attention.
	: Dispose in accordance with all current regulations	and standards.
[Other hazards]	No information available.	

3. Composition/information on ingredients

ce or a mixture]	Mixture
[Component parts]	Ink[Ink quantity of product :about 3.0g]
Cas No.	Concentration range(wt%)
7732-18-5	50-80
64-17-5	< 10
56-81-5	< 10
7440-22-4	< 10
13463-67-7	< 10
71-23-8	< 1
	[Component parts] Cas No. 7732–18–5 64–17–5 56–81–5 7440–22–4 13463–67–7

4. First aid measures

[Description of first aid measures]

[Description of mist aid measures]	
Eye contact :	Flush eyes with plenty of water for at least 15 minutes.
:	Take off the contact lens if possible
:	Consult medical advice depending on the symptoms.
Skin contact	Wash skin.
:	Consult medical advice depending on the symptoms.
	Thoroughly clean and dry contaminated clothing and shoes before reuse.
Ingestion	Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion.
	Consult medical advice depending on the symptoms.
Inhalation	Due to its low vapor pressure inhalation is unlikely at room temperature.
	: If not feeling well, move to an area of fresh air and rest.
	Consult medical advice depending on the symptoms.
[Most important symptoms and ef	fects, both acute and delayed]
	No information available.
[Indication of any immediate medi	cal attention and special treatment needed]
	No information available.

0301E	MITSUBISHI PENCIL CO., LTD.	[Date of issue]: 2017/03/28
5. Firefighting measures		
[Extinguishing media]	Regular dry chemical, carbon dioxide, water, regu	ular foam
[Special hazards arising from the	substance or mixture]	
	No further relevant information available.	
[Advice for firefighters]	Stay upwind and keep out of low areas and avoid combustion by-products.	d inhalation of material or
	Wear suitable protective equipment.	
6. Accidental release measures		
[Personal precautions, protective	e equipment and emergency procedures]	
	Rope off the area to contain the leak and prohib authorized persons.	it entrance except for
	Wear appropriate protection gear.	
	Do not work in the leeward.	
[Environmental precautions]	Collect leaked material in empty container after containing earth and sand.	leading outflow to a safe area
	Do not allow leaked material to pollute rivers, la	kes, etc.
[Methods and material for contai	nment and cleaning up]	
	Wipe off by dry cloth and wash with water.	
	Dispose of pollution or waste in accordance with regulations.	n national, state and local
[Reference to other sections]	No information available.	
7. Handling and storage		
[Precautions for safe handling]		
	Do not lick or swallow the ink.	
	Avoid contact with skin and eyes.	
	Recap after use (if there is a cap), and keep out	of the reach of infants.
[Conditions for safe storage, incl	uding any incompatibilities]	
	Keen away from oxidizing materials ignition sour	

[Conditions for safe storage, inclue	ding any incompatibilities]	
	Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.	
	Recommended temperature : 0-40°C	
[Specific end use(s)]	No information available.	

8. Exposure controls/personal protection [Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m3
Silver	-	(TWA)0.1mg/m3
Ethanol	-	(TWA)1000ppm
Glycerine	-	(TWA)10mg/m3
[Exposure controls]		
Protective equipment		: Not required.
Respiratory protection		: Not required.
Hands protection		: Not required.
Eye protection		: Not required.
Skin protection		: Not required.

[Date of i	issue]:2017/03/28
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MITSUBISHI PENCIL CO., LTD.

9. Physical and chemical properties

[Imformation on basic physical and chemical properties]

E	•••
Color	: Blue lame
State	: Liquid
Odor	: slight odor
pН	: about 8.2
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about 1.2
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%
[Other information]	No information available.

10.	Stability	/ and	reactivity
	For .		7

[Chemical stability]	This mixture is stable in normal temperature, a condition of the pressure.
[Reactivity]	No data available.
[Conditions to avoid]	Avoid heat, flames, sparks and other sources of ignition.
	Avoid direct sunlight and high temperature.
[Incompatible materials]	No information available.
[Hazardous decomposition products]	No information available.
[Possibility of hazardous reactions]	No information available.

TT. TOXICOlogical information	
[Information on toxicological effects]	
Acute toxicity(oral)	
Not classified	: >2000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >2000 mg/kg (estimate value)
Acute toxicity(inhalation:vapours)	
Not classified	: >20 mg/L (estimate value)
Skin corrosion/irritation	
Silver	: Category2
Serious eye damage/Eye Irritation	
No information available.	
Respiratory sensitizer	
No information available.	

[Date of issue]: 2017/03/28

Ξ	MITSUBISHI PENCIL CO., LTD.	[Date of issue]:20
Skin sensitizer		
Silver	: Category1	
Germ cell mutagenicity		
Ethanol	: Category1B	
Carcinogenicity		
1-Propanol	: Category2	
Toxic to reproduction		
Ethanol	: Category1A	
1-Propanol	: Category2	
Specific target organ systemic	toxicity(single exposure)	
Silver	: Category1	
Specific target organ systemic	toxicity(repeated exposure)	
Titanium dioxide	: Category1	
Silver	: Category1	
Ethanol	: Category1	
Aspiration hazard		
No information available.		
Hazard to the Aquatic Enviror	iment (Acute)	
No information available.		
Hazard to the Aquatic Enviror	ment (Chronic)	
No information available.		
. Ecological information		
No information available.		
. Disposal considerations		
[Waste treatment methods]		
-	l current regulations and standards.	
Do not allow it to flow into the	-	
. Transport information		
[Environmental hazards]	No information available.	
[HS Code]	960820	
[Special precautions for user]	Check the container for any leakage. Load a incurring damage, and take causion against c	
. Regulatory information		
Follow all regulation in your cou	ntry.	
[Chemical safety assessment] Ink or lead are manufactured	l in accordance with ISO 8124–3 ″Safety of Toys –	Part 3"

12.

13.

14.

15.

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2017/03/28

16. Other information

- The information is based on our present knowledge at the date of its publication, and designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.
- This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2017/03/28

SAFETY DATA SHEET

1. Product and Com	pany Identification				
[Product name]	PC-3ML Light blu	10			
[File No.]	100297E				
[Date of issue]	2017/03/28				
[Details of Manufact					
•	-	MITSUBISHI PENCIL	CO., LTD.		
	Address:	5-23-37, HIGASHIO	HI, SHINAGAWA, TO	KYO, JAPAN	
	Telephone number:	03-3458-6281	telefax number:	03-3450-0363	
	(Only office hour are available.)	•			
2. Hazards identifica	tion				
Information of this	s section is about the ink				
_	the substance or mixture	_			
-	MICAL HAZARDS	-			
Not applicabl	e.				
HEALTH HAZA	RDS				
Acute toxicit	y(oral)		: Not classified		
Acute toxicit	y(skin)		: Not classified		
Acute toxicit	y(inhalation steam)		: Not classified		
Skin corrosio	n/irritation		: Category3		
Serious eye	damage/Eye Irritation		: Not classified		
Respiratory s	sensitizer		: Classification not possible		
Skin sensitize	er		: Category1		
Germ cell mu	Itagenicity		: Category1		
Carcinogenic	ity		: Category2		
Toxic to repr	oduction		: Category1		
Specific targ	et organ systemic toxicit	y(single exposure)	: Category1		
Specific targ	et organ systemic toxicit	y(repeated exposure)	: Category1		
Aspiration ha	zard		: Not classified		
ENVIRONMENT	AL HAZARDS				
Hazard to the	e Aquatic Environment (A	Acute)	: Classification not	t possible	
	e Aquatic Environment (C	Chronic)	: Not classified		
[Label elements]	•	•			
Pictogram					
Signal Word	: Danger				
Hazard Stateme	ent : Causes	s mild skin irritation			
	: Мау са	use an allergic skin rea	ction		
	: May ca	use genetic defects			
	: Suspec	cted of causing cancer			
	: May damage fertility or the unborn child				
		s damage to organs			
		s damage to organs thro	ough prolonged or repea	ated exposure	
Precautionary S	Statement				

MITSUBISHI PENCIL CO., LTD. [Date of issue]:2 : Do not breathe dust/vapours etc.. : Do not eat, drink or smoke when using this product. : Use personal protective equipment as required.(Refer to Section 8) : Get medical advice/attention if you feel unwell. : Wash contaminated clothing before reuse. : IF ON SKIN: Wash with plenty of soap and water. : IF exposed or concerned: Get medical advice/attention. : If skin irritation occurs: Get medical advice/attention. : If skin irritation or rash ouuurs: Get medical advice/attention. : Dispose in accordance with all current regulations and standards. No information available.

3. Composition/information on ingredients

[The chemical product is a substa	Mixture	
[Chemical nature]	[Component parts]	Ink[Ink quantity of product :about 3.0g]
Chemical name	Cas No.	Concentration range(wt%)
Water	7732-18-5	50-80
Ethanol	64-17-5	< 10
Glycerine	56-81-5	< 10
Silver	7440-22-4	< 10
Titanium dioxide	13463-67-7	< 10
1-Propanol	71-23-8	< 1

4. First aid measures

[Description of first aid measures]	
Eye contact :	Flush eyes with plenty of water for at least 15 minutes.
:	Take off the contact lens if possible
:	Consult medical advice depending on the symptoms.
Skin contact :	Wash skin.
:	Consult medical advice depending on the symptoms.
:	Thoroughly clean and dry contaminated clothing and shoes before reuse.
Ingestion :	Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion.
:	Consult medical advice depending on the symptoms.
Inhalation :	Due to its low vapor pressure inhalation is unlikely at room temperature.
:	If not feeling well, move to an area of fresh air and rest.
:	Consult medical advice depending on the symptoms.
[Most important symptoms and eff	fects, both acute and delayed]
	No information available.
[Indication of any immediate medic	cal attention and special treatment needed]
	No information available.

[Date of issue]: 2017/03/28

100297E	MITSUBISHI PENCIL CO., LTD.	[Date of issue]:2017/03/28
5. Firefighting measures		
[Extinguishing media]	Regular dry chemical, carbon dioxide, water, regu	lar foam
[Special hazards arising from the	e substance or mixture]	
	No further relevant information available.	
[Advice for firefighters]	Stay upwind and keep out of low areas and avoid combustion by–products.	inhalation of material or
	Wear suitable protective equipment.	
6. Accidental release measures		
[Personal precautions, protectiv	e equipment and emergency procedures]	
	Rope off the area to contain the leak and prohibit authorized persons.	t entrance except for
	Wear appropriate protection gear.	
	Do not work in the leeward.	
[Environmental precautions]	Collect leaked material in empty container after I containing earth and sand.	eading outflow to a safe area
	Do not allow leaked material to pollute rivers, lake	es, etc.
[Methods and material for conta	inment and cleaning up]	
	Wipe off by dry cloth and wash with water.	
	Dispose of pollution or waste in accordance with regulations.	national, state and local
[Reference to other sections]	No information available.	
7. Handling and storage		
[Precautions for safe handling]		
-	Do not lick or swallow the ink.	
	Avoid contact with skin and eyes.	
	Recap after use (if there is a cap), and keep out	of the reach of infants.
[Conditions for safe storage, inc	luding any incompatibilities]	
	Keep away from oxidizing materials, ignition source direct sunlight.	ces, high temperature and

	Recommended temperature	:	0-40°C
[Specific end use(s)]	No information available.		

8. Exposure controls/personal protection

Chemical name	OSHA	ACGIH
Titanium dioxide	_	(TWA)10mg/m3
Silver	-	(TWA)0.1mg/m3
Ethanol	_	(TWA)1000ppm
Glycerine	-	(TWA)10mg/m3
[Exposure controls]		
Protective equipment		: Not required.
Respiratory protection		: Not required.
Hands protection		: Not required.
Eye protection		: Not required.
Skin protection		: Not required.

100297E			MITSUBISHI PENCIL CO., LTD.	[Date of issue]:2017/03/28
9. P	hysical and chemical prope	ties		
	[Imformation on basic physical		emical properties]	
	Color	: Sk	y blue lame	
	State	: Lic	luid	
	Odor	: slig	ght odor	
	рH		out 8.2	
	Boiling point	: No	information available.[Water 100.0°C]	
	Melting point		information available.	
	Flash point		nformation available.	
	Autoignition temperature		o information available.	
	Explosion limits		o information available.	
	Vapor density(air=1)		o information available.	
	Density		out 1.2	
	Solubility in water		o information available.	
	Evaporation rate	• • • •	o information available.	
	Volatile	: >7		
	[Other information]	No	o information available.	
10.	Stability and reactivity			
	[Chemical stability]		This mixture is stable in normal temperate	ure, a condition of the pressure.
	[Reactivity]		No data available.	
	[Conditions to avoid]		Avoid heat, flames, sparks and other sour	
			Avoid direct sunlight and high temperature	e.
	[Incompatible materials]		No information available.	
	[Hazardous decomposition pro	ducts]	No information available.	
	[Possibility of hazardous react	ions]	No information available.	
11.	Toxicological information			
	[Information on toxicological e	ffects]		
	Acute toxicity(oral)			
	Not classified		: >2000 mg/kg (estimate value)	
	Acute toxicity(skin)			
	Not classified		: >2000 mg/kg (estimate value)	
	Acute toxicity(inhalation:vap	ours)		
	Not classified		: >20 mg/L (estimate value)	
	Skin corrosion/irritation			
	Silver		: Category2	
	Olla di			
	Serious eye damage/Eye In	itation		
	No information available			
	Respiratory sensitizer			

No information available.

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02072			
	Skin sensitizer		
	Silver	: Category1	
	Germ cell mutagenicity		
	Ethanol	: Category1B	
	Carcinogenicity		
	1-Propanol	: Category2	
	Toxic to reproduction		
	Ethanol	: Category1A	
	1-Propanol	: Category2	
	Specific target organ systemic to	xicity(single exposure)	
	Silver	: Category1	
	Specific target organ systemic to	xicity(repeated exposure)	
	Titanium dioxide	: Category1	
	Silver	: Category1	
	Ethanol	: Category1	
	Aspiration hazard		
	No information available.		
	Hazard to the Aquatic Environme	nt (Acute)	
	No information available.		
	Hazard to the Aquatic Environme	ent (Chronic)	
	No information available.		
12. E	Ecological information		
	No information available.		
13. C	Disposal considerations		
	[Waste treatment methods]		
	Dispose in accordance with all cu	urrent regulations and standards.	
	Do not allow it to flow into the d	ainages with waste fluid.	
14. 1	Fransport information		
	[Environmental hazards]	No information available.	
	[HS Code]	960820	
	[Special precautions for user]	Check the container for any leakage. Load a cargo without a drop incurring damage, and take causion against collapse of container.	ping or
15 F	Regulatory information		

15. Regulatory information

Follow all regulation in your country.

[Chemical safety assessment] Ink or lead are manufactured in accordance with ISO 8124-3 "Safety of Toys - Part 3"

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2017/03/28

16. Other information

- The information is based on our present knowledge at the date of its publication, and designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.
- This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2017/03/28

SAFETY DATA SHEET

1. Product and Com [Product name] [File No.] [Date of issue] [Details of Manufact	PC-3ML Violet 100298E 2017/03/28	5–23–37, HIGASHIC 03–3458–6281	- CO., LTD. DHI, SHINAGAWA, TC telefax number:	0KYO, JAPAN 03-3450-0363
2. Hazards identifica	tion			
Information of this	section is about the ink.			
[Classification of t	he substance or mixture]		
PHYSICO-CHE	MICAL HAZARDS			
Not applicable	е.			
HEALTH HAZA	RDS			
Acute toxicit	y(oral)		: Not classified	
Acute toxicity	y(skin)		: Not classified	
Acute toxicity	(inhalation steam)		: Not classified	
Skin corrosio	n/irritation		: Category3	
Serious eye o	lamage/Eye Irritation		: Not classified	
Respiratory s		: Classification not possible		
Skin sensitize		: Category1		
Germ cell mu		: Category1		
Carcinogenici		: Category2		
Toxic to repr			: Category1	
	et organ systemic toxicity		: Category1	
	et organ systemic toxicity	(repeated exposure)	: Category1	
Aspiration ha			: Not classified	
ENVIRONMENT				
	Aquatic Environment (A	-	: Classification no : Not classified	t possible
Label elements]	Aquatic Environment (C	nronic)	: Not classified	
Pictogram		~		
Pictogram				
Signal Word	: Danger			
Hazard Stateme	nt : Causes	mild skin irritation		
	: Мау са	use an allergic skin rea	action	
	: Мау са	use genetic defects		
	: Suspec	ted of causing cancer		
	: May da	mage fertility or the ur	nborn child	
	: Causes	damage to organs		
	: Causes	damage to organs thre	ough prolonged or repe	ated exposure
Precautionary S	tatement			

100298E	MITSUBISHI PENCIL CO., LTD.	[Date of issue]: 2017/03/28
	: Do not breathe dust/vapours etc	
	: Do not eat, drink or smoke when using this product.	
	: Use personal protective equipment as required. (Ref	fer to Section 8)
	: Get medical advice/attention if you feel unwell.	
	: Wash contaminated clothing before reuse.	
	: IF ON SKIN: Wash with plenty of soap and water.	
	: IF exposed or concerned: Get medical advice/atten	tion.
	: If skin irritation occurs: Get medical advice/attentic	on.
	: If skin irritation or rash ouuurs: Get medical advice/	attention.
	: Dispose in accordance with all current regulations a	and standards.
[Other hazards]	No information available.	

3. Composition/information on ingredients

stance or a mixture]	Mixture	
[Component parts]	Ink[Ink quantity of product :about 3.0g]	
Cas No.	Concentration range(wt%)	
7732-18-5	50-80	
64-17-5	< 10	
56-81-5	< 10	
7440-22-4	< 10	
13463-67-7	< 10	
71-23-8	< 1	
	[Component parts] Cas No. 7732-18-5 64-17-5 56-81-5 7440-22-4 13463-67-7	

4. First aid measures

[Description	۰f	firet	aid	measures
LUescription	01	IIISL	aiu	measures

[Description of mat and modela	
Eye contact	: Flush eyes with plenty of water for at least 15 minutes.
	: Take off the contact lens if possible
	: Consult medical advice depending on the symptoms.
Skin contact	: Wash skin.
	: Consult medical advice depending on the symptoms.
	: Thoroughly clean and dry contaminated clothing and shoes before reuse.
Ingestion	: Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion.
	: Consult medical advice depending on the symptoms.
Inhalation	: Due to its low vapor pressure inhalation is unlikely at room temperature.
	: If not feeling well, move to an area of fresh air and rest.
	: Consult medical advice depending on the symptoms.
[Most important symptoms and	l effects, both acute and delayed]
	No information available.
[Indication of any immediate m	edical attention and special treatment needed]
	No information available.

100298E	MITSUBISHI PENCIL CO., LTD.	[Date of issue]:2017/03/28
5. Firefighting measures		
[Extinguishing media]	Regular dry chemical, carbon dioxide, water, reg	ular foam
[Special hazards arising from the	e substance or mixture]	
	No further relevant information available.	
[Advice for firefighters]	Stay upwind and keep out of low areas and avo combustion by–products.	id inhalation of material or
	Wear suitable protective equipment.	
6. Accidental release measures		
[Personal precautions, protective	e equipment and emergency procedures]	
	Rope off the area to contain the leak and prohil authorized persons.	bit entrance except for
	Wear appropriate protection gear.	
	Do not work in the leeward.	
[Environmental precautions]	Collect leaked material in empty container after containing earth and sand.	r leading outflow to a safe area
	Do not allow leaked material to pollute rivers, la	kes, etc.
[Methods and material for contai	inment and cleaning up]	
	Wipe off by dry cloth and wash with water.	
	Dispose of pollution or waste in accordance wit regulations.	h national, state and local
[Reference to other sections]	No information available.	
7. Handling and storage		
[Precautions for safe handling]		
	Do not lick or swallow the ink.	
	Avoid contact with skin and eves.	
	Recap after use (if there is a cap), and keep out	t of the reach of infants.
[Conditions for safe storage, incl		
-	Keep away from oxidizing materials, ignition sou direct sunlight.	rces, high temperature and
	Recommended temperature : 0-40°C	

8. Exposure controls/personal protection

[Specific end use(s)]

[Control parameters]		
Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m3
Silver	-	(TWA)0.1mg/m3
Ethanol	-	(TWA)1000ppm
Glycerine	-	(TWA)10mg/m3
[Exposure controls]		
Protective equipment		: Not required.
Respiratory protection		: Not required.
Hands protection		: Not required.
Eye protection		: Not required.
Skin protection		: Not required.

No information available.

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2017/03/28

9.	Physical	and	chemical	properties
----	----------	-----	----------	------------

[Imformation on basic physical and chemical properties]

Color	: Violet lame
State	: Liquid
Odor	: slight odor
рH	: about 8.2
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about 1.2
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%
[Other information]	No information available.

10. Stability and reactivity

0. Stability and reactivity	
[Chemical stability]	This mixture is stable in normal temperature, a condition of the pressure.
[Reactivity]	No data available.
[Conditions to avoid]	Avoid heat, flames, sparks and other sources of ignition.
	Avoid direct sunlight and high temperature.
[Incompatible materials]	No information available.
[Hazardous decomposition products]	No information available.
[Possibility of hazardous reactions]	No information available.

11. Toxicological information

[Information on toxicological effects]	
Acute toxicity(oral)	
Not classified	: >2000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >2000 mg/kg (estimate value)
Acute toxicity(inhalation:vapours)	
Not classified	: >20 mg/L (estimate value)
Skin corrosion/irritation	
Silver	: Category2
Serious eye damage/Eye Irritation	
No information available.	
Respiratory sensitizer	
No information available.	

100298E

00298E		MITSUBISHI PENCIL CO., LTD.	[Date of issue]:2017/03/28
Skin sensiti	zer		
Silver		: Category1	
Germ cell m	nutagenicity		
Ethanol		: Category1B	
Carcinogeni	city		
1–Propa		: Category2	
Toxic to rep	production		
Ethanol		: Category1A	
1-Propa	anol	: Category2	
Specific tar	get organ systemic toxic	ity(single exposure)	
Silver		: Category1	
Specific tar	get organ systemic toxic	itv(repeated exposure)	
	n dioxide	: Category1	
Silver		: Category1	
Ethanol		: Category1	
Aspiration h	nazard		
No infor	mation available.		
Hazard to ti	he Aquatic Environment	(Acute)	
	mation available.		
Hazard to t	he Aquatic Environment	(Chronic)	
	mation available.		
12. Ecological in	formation		
No informatio			
13. Disposal con	siderations		
[Waste treatment of the	nent methods]		
Dispose in a	accordance with all curre	ent regulations and standards.	
Do not allov	v it to flow into the drain	ages with waste fluid.	
14. Transport inf	formation		
[Environment	al hazards]	No information available.	
[HS Code]		960820	
[Special prec	autions for user]	Check the container for any leakage. Load a cargo withou incurring damage, and take causion against collapse of co	
15. Regulatory ir	oformation		
	ulation in your country.		
	fety assessment]		
Ink or lead	are manufactured in ac	cordance with ISO 8124-3 "Safety of Toys - Part 3"	

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2017/03/28

16. Other information

- The information is based on our present knowledge at the date of its publication, and designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.
- This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2017/03/28

SAFETY DATA SHEET

[Product name]	PC-3ML Pink			
[File No.]	100299E			
[Date of issue]	2017/03/28			
[Details of Manufact	ture]			
	Manufacture's name	: MITSUBISHI PENCIL	. CO., LTD.	
	Address:	5–23–37, HIGASHIO	HI, SHINAGAWA, TO	OKYO, JAPAN
	Telephone number: (Only office hour are availabl	03-3458-6281 •.>	telefax number:	03-3450-036
. Hazards identifica	ation			
Information of thi	s section is about the in	k.		
[Classification of	the substance or mixtur	·e]		
PHYSICO-CHE	MICAL HAZARDS			
Not applicab	le.			
HEALTH HAZA	RDS			
Acute toxicit	ty(oral)		: Not classified	
Acute toxicit	ty(skin)		: Not classified	
Acute toxici	ty(inhalation steam)		: Not classified	
Skin corrosi	on/irritation		: Category3	
Serious eye	damage/Eye Irritation		: Not classified	
Respiratory	sensitizer		: Classification no	t possible
Skin sensitiz	er		: Category1	
Germ cell m			: Category1	
Carcinogenic	-		: Category2	
Toxic to rep			: Category1	
	et organ systemic toxic		: Category1	
	et organ systemic toxic	ity(repeated exposure)	: Category1	
Aspiration ha			: Not classified	
ENVIRONMEN				
	e Aquatic Environment (: Classification no	t possible
	e Aquatic Environment ((Chronic)	: Not classified	
[Label elements]		• •		
Pictogram				
Signal Word	: Dange	er		
Hazard Statem	ent : Cause	es mild skin irritation		
	: May c	ause an allergic skin rea	oction	
	: May c	ause genetic defects		
	: Suspe	ected of causing cancer		
	: May c	lamage fertility or the un	born child	
	: Cause	es damage to organs		
		es damage to organs thro		

100299E	MITSUBISHI PENCIL CO., LTD.	[Date of issue]:2017/03/28
	: Do not breathe dust/vapours etc	
	: Do not eat, drink or smoke when using this product	t.
	: Use personal protective equipment as required. (Re	efer to Section 8)
	: Get medical advice/attention if you feel unwell.	
	: Wash contaminated clothing before reuse.	
	: IF ON SKIN: Wash with plenty of soap and water.	
	: IF exposed or concerned: Get medical advice/atter	ntion.
	: If skin irritation occurs: Get medical advice/attenti	ion.
	: If skin irritation or rash ouuurs: Get medical advice	e/attention.
	: Dispose in accordance with all current regulations	and standards.
[Other hazards]	No information available.	

3. Composition/information on ingredients

[The chemical product is a sub	Mixture		
[Chemical nature]	[Component parts]	Ink[Ink quantity of product :about 3.0g]	
Chemical name	Cas No.	Concentration range(wt%)	
Water	7732-18-5	50-80	
Ethanol	64-17-5	< 10	
Glycerine	56-81-5	< 10	
Silver	7440-22-4	< 10	
Titanium dioxide	13463-67-7	< 10	
1–Propanol	71-23-8	< 1	

4. First aid measures

[Description of first aid measures	s]	
Eye contact	:	Flush eyes with plenty of water for at least 15 minutes.
	:	Take off the contact lens if possible
	:	Consult medical advice depending on the symptoms.
Skin contact	:	Wash skin.
	:	Consult medical advice depending on the symptoms.
	:	Thoroughly clean and dry contaminated clothing and shoes before reuse.
Ingestion	:	Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion.
	:	Consult medical advice depending on the symptoms.
Inhalation	:	Due to its low vapor pressure inhalation is unlikely at room temperature.
	:	If not feeling well, move to an area of fresh air and rest.
	:	Consult medical advice depending on the symptoms.
[Most important symptoms and e	eff	ects, both acute and delayed]
		No information available.
[Indication of any immediate med	dic	al attention and special treatment needed]
		No information available.

100299E		MITSUBISHI PENCIL CO., LTD.	[Date of issue]: 2017/03/28
5. Firefig	hting measures		
(Ext	inguishing media]	Regular dry chemical, carbon dioxide, water, regular for	am
[Spe	cial hazards arising from the	substance or mixture]	
		No further relevant information available.	
[Adv	vice for firefighters]	Stay upwind and keep out of low areas and avoid inhal combustion by-products.	ation of material or
		Wear suitable protective equipment.	
6. Accide	ental release measures		
[Per	sonal precautions, protective	equipment and emergency procedures]	
		Rope off the area to contain the leak and prohibit entr authorized persons.	ance except for
		Wear appropriate protection gear.	
		Do not work in the leeward.	
(Env	rironmental precautions]	Collect leaked material in empty container after leading containing earth and sand.	g outflow to a safe area
		Do not allow leaked material to pollute rivers, lakes, et	с.
[Met	[Methods and material for containment and cleaning up]		
		Wipe off by dry cloth and wash with water.	
		Dispose of pollution or waste in accordance with nation regulations.	nal, state and local
[Ref	erence to other sections]	No information available.	
7. Handli	ng and storage		
	cautions for safe handling]		
	<u> </u>	Do not lick or swallow the ink.	
		Avoid contact with skin and eyes.	
		Recap after use (if there is a cap), and keep out of the	reach of infants.
[Cor	nditions for safe storage, inclu		
		Keep away from oxidizing materials, ignition sources, hi direct sunlight.	igh temperature and
		-	

Recommended temperature : 0-40°C

No information available.

[Specific end use(s)]

8. Exposure controls/personal protection

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m3
Silver	_	(TWA)0.1mg/m3
Ethanol	-	(TWA)1000ppm
Glycerine	-	(TWA)10mg/m3
[Exposure controls]		
Protective equipment		: Not required.
Respiratory protection		: Not required.
Hands protection		: Not required.
Eye protection		: Not required.
Skin protection		: Not required,

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2017/03/28

9.	Physical	and	chemical	properties
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[Imformation on basic physical and chemical properties]

Color	: Pink lame
State	: Liquid
Odor	: slight odor
рH	: about 8.0
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about 1.1
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >60%
[Other information]	No information available.

10. Stability and reactivity

[Chemical stability]	This mixture is stable in normal temperature, a condition of the pressure.
[Reactivity]	No data available.
[Conditions to avoid]	Avoid heat, flames, sparks and other sources of ignition.
	Avoid direct sunlight and high temperature.
[Incompatible materials]	No information available.
[Hazardous decomposition products]	No information available.
[Possibility of hazardous reactions]	No information available.

11. Toxicological information

[Information on toxicological effects]	
Acute toxicity(oral)	
Not classified	: >2000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >2000 mg/kg (estimate value)
Acute toxicity(inhalation:vapours)	
Not classified	:>20 mg/L (estimate value)
Skin corrosion/irritation	
Silver	: Category2
Serious eye damage/Eye Irritation	
No information available.	
Respiratory sensitizer	
No information available.	

100299E	
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J0299E	MITSUBISHI PENCIL CO., LTD.	[Date of issue]:20
Skin sensitizer		
Silver	: Category1	
Germ cell mutagenicity		
Ethanol	: Category1B	
Carcinogenicity		
1-Propanol	: Category2	
Toxic to reproduction		
Ethanol	: Category1A	
1-Propanol	: Category2	
Specific target organ systemic t	oxicity(single exposure)	
Silver	: Category1	
Specific target organ systemic t	oxicity(repeated exposure)	
Titanium dioxide	: Category1	
Silver	: Category1	
Ethanol	: Category1	
Aspiration hazard		
No information available.		
Hazard to the Aquatic Environm	ent (Acute)	
No information available.		
Hazard to the Aquatic Environm	ent (Chronic)	
No information available.		
12. Ecological information		
No information available.		
12 Discourse a consideration of		
13. Disposal considerations		
[Waste treatment methods]		
•	urrent regulations and standards.	
Do not allow it to flow into the d	rainages with waste huid.	
14. Transport information		
[Environmental hazards]	No information available.	
[HS Code]	960820	
[Special precautions for user]	Check the container for any leakage. Load a ca incurring damage, and take causion against col	argo without a dropping or lapse of container.

15. Regulatory information

Follow all regulation in your country.

[Chemical safety assessment] Ink or lead are manufactured in accordance with ISO 8124-3 "Safety of Toys - Part 3"

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2017/03/28

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16. Other information

- The information is based on our present knowledge at the date of its publication, and designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.
- This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2017/03/28

SAFETY DATA SHEET

[Product name]	PC-3ML Red			
[File No.]	100300E			
[Date of issue]	2017/03/28			
[Details of Manufact	:ure]			
	Manufacture's name:	MITSUBISHI PENCIL	CO., LTD.	
	Address:	5–23–37, HIGASHIO	HI, SHINAGAWA, TO	OKYO, JAPAN
	Telephone number: (Only office hour are available.)	03–3458–6281	telefax number:	03-3450-0363
. Hazards identifica	ation			
Information of thi	s section is about the ink.			
[Classification of	the substance or mixture]		
PHYSICO-CHE	MICAL HAZARDS			
Not applicab	le.			
HEALTH HAZA	RDS			
Acute toxici	y(oral)		: Not classified	
Acute toxici	:y(skin)		: Not classified	
Acute toxicit	y(inhalation steam)		: Not classified	
Skin corrosio	on/irritation		: Category3	
Serious eye	damage/Eye Irritation		: Not classified	
Respiratory	sensitizer		: Classification no	t possible
Skin sensitiz	er		: Category1	
Germ cell m	utagenicity		: Category1	
Carcinogenic	ity		: Category2	
Toxic to rep	roduction		: Category1	
Specific targ	et organ systemic toxicity	(single exposure)	: Category1	
Specific targ	et organ systemic toxicity	(repeated exposure)	: Category1	
Aspiration ha	azard		: Not classified	
ENVIRONMEN ⁻	TAL HAZARDS			
Hazard to th	e Aquatic Environment (A	cute)	: Classification no	t possible
Hazard to th	e Aquatic Environment (C	hronic)	: Not classified	
[Label elements]	•			
Pictogram				
Signal Word	: Danger			
Hazard Statem	ent : Causes	mild skin irritation		
	: Мау са	use an allergic skin rea	ction	
	: May ca	use genetic defects		
	: Suspec	ted of causing cancer		
	: May da	mage fertility or the un	born child	
	: Causes	damage to organs		
	•	damage to organs thro		

100300E	MITSUBISHI PENCIL CO., LTD.	[Date of issue]:2017/03/28
	: Do not breathe dust/vapours etc	
	: Do not eat, drink or smoke when using this product	t.
	: Use personal protective equipment as required. (Re	efer to Section 8)
	: Get medical advice/attention if you feel unwell.	
	: Wash contaminated clothing before reuse.	
	: IF ON SKIN: Wash with plenty of soap and water.	
	: IF exposed or concerned: Get medical advice/atte	ntion.
	: If skin irritation occurs: Get medical advice/attenti	ion.
	: If skin irritation or rash ouuurs: Get medical advice	e/attention.
	: Dispose in accordance with all current regulations	and standards.
[Other hazards]	No information available.	

3. Composition/information on ingredients

[The chemical product is a substance or a mixture]		Mixture	
[Chemical nature]	[Component parts]	Ink[Ink quantity of product :about 3.0g]	
Chemical name	Cas No.	Concentration range(wt%)	
Water	7732-18-5	50-80	
Ethanol	64-17-5	< 10	
Glycerine	56-81-5	< 10	
Silver	7440-22-4	< 10	
Titanium dioxide	13463-67-7	< 10	
1–Propanol	71-23-8	< 1	

4. First aid measures

[Description of first aid measures]	
Eye contact :	Flush eyes with plenty of water for at least 15 minutes.
:	Take off the contact lens if possible
:	Consult medical advice depending on the symptoms.
Skin contact :	Wash skin.
:	Consult medical advice depending on the symptoms.
:	Thoroughly clean and dry contaminated clothing and shoes before reuse.
Ingestion :	Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion.
:	Consult medical advice depending on the symptoms.
Inhalation :	Due to its low vapor pressure inhalation is unlikely at room temperature.
:	If not feeling well, move to an area of fresh air and rest.
:	Consult medical advice depending on the symptoms.
[Most important symptoms and ef	fects, both acute and delayed]
	No information available.
[Indication of any immediate medic	cal attention and special treatment needed]
	No information available.

100300E	MITSUBISHI PENCIL CO., LTD.	[Date of issue]:2017/03/28	
5. Firefighting measures			
[Extinguishing media]	Regular dry chemical, carbon dioxide, water, regu	ılar foam	
[Special hazards arising from the	substance or mixture]		
	No further relevant information available.		
[Advice for firefighters]	Stay upwind and keep out of low areas and avoid inhalation of material or combustion by−products.		
	Wear suitable protective equipment.		
6. Accidental release measures			
[Personal precautions, protective	equipment and emergency procedures]		
	Rope off the area to contain the leak and prohibi authorized persons.	it entrance except for	
	Wear appropriate protection gear.		
	Do not work in the leeward.		
[Environmental precautions]	Collect leaked material in empty container after l containing earth and sand.	leading outflow to a safe area	
	Do not allow leaked material to pollute rivers, lak	es, etc.	
[Methods and material for contain	iment and cleaning up]		
	Wipe off by dry cloth and wash with water.		
	Dispose of pollution or waste in accordance with regulations.	national, state and local	
[Reference to other sections]	No information available.		
7. Handling and storage			
[Precautions for safe handling]			
· · · · · · · · · · · · · · · · · · ·	Do not lick or swallow the ink.		
	Avoid contact with skin and eyes.		
	Recap after use (if there is a cap), and keep out	of the reach of infants.	
[Conditions for safe storage, inclu	iding any incompatibilities]		
		Istada Asaran anakana anak	

Loonditions for safe storage, in	cluding any incompatibilities]
	Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.
	Recommended temperature : 0-40°C
[Specific end use(s)]	No information available.

8. Exposure controls/personal protection

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m3
Silver	-	(TWA)0.1mg/m3
Ethanol	-	(TWA)1000ppm
Glycerine	-	(TWA)10mg/m3
[Exposure controls]		
Protective equipment		: Not required.
Respiratory protection		: Not required.
Hands protection		: Not required.
Eye protection		: Not required.
Skin protection		: Not required.

[Date of issue]:2017/03/28

9. Physical and chemical properties

[Imformation on basic physical and chemical properties]

Linioniación on busic priyeres	and energy burger burger
Color	: Red lame
State	: Liquid
Odor	: slight odor
рH	: about 8.2
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about 1.1
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%
[Other information]	No information available.

MITSUBISHI PENCIL CO., LTD.

10. Stability and reactivity This mixture is stable in normal temperature, a condition of the pressure. [Chemical stability] No data available. [Reactivity] Avoid heat, flames, sparks and other sources of ignition. [Conditions to avoid] Avoid direct sunlight and high temperature. No information available. [Incompatible materials] No information available. [Hazardous decomposition products] [Possibility of hazardous reactions] No information available. 11. Toxicological information [Information on toxicological effects] Acute toxicity(oral) : >2000 mg/kg (estimate value) Not classified Acute toxicity(skin)

: >2000 mg/kg (estimate value)

 Acute toxicity(inhalation:vapours)

 Not classified
 : >20 mg/L (estimate value)

 Skin corrosion/irritation

 Silver
 : Category2

 Serious eye damage/Eye Irritation

 No information available.

 Respiratory sensitizer

No information available.

Not classified

00300E	MITSUBISHI PENCIL CO., LTD.	[Date of issue]:2017/03/28
Skin sensitizer		
Silver	: Category1	
Germ cell mutagenicity		
Ethanol	: Category1B	
.		
Carcinogenicity 1–Propanol	: Category2	
	. Oategoryz	
Toxic to reproduction		
Ethanol	: Category1A	
1-Propanol	: Category2	
Specific target organ systemic toxi	city(single exposure)	
Silver	: Category1	
Specific target organ systemic toxi	city(repeated exposure)	
Titanium dioxide	: Category1	
Silver	: Category1	
Ethanol	: Category1	
Aspiration hazard		
No information available.		
Hazard to the Aquatic Environment No information available.	(Acute)	
No information available.		
Hazard to the Aquatic Environment	(Chronic)	
No information available.		
12 Ecological information		
12. Ecological information No information available.		
13. Disposal considerations		
[Waste treatment methods]		
Dispose in accordance with all curr	ent regulations and standards.	
Do not allow it to flow into the drain	nages with waste fluid.	
14. Transport information		
[Environmental hazards]	No information available.	
[HS Code]	960820	
[Special precautions for user]	Check the container for any leakage. Load a ca incurring damage, and take causion against colla	
15. Regulatory information		
Follow all regulation in your country.		
[Chemical safety assessment]	cordance with ISO 8124-3 ″Safety of Toys - Pa	v 4 3″
ink or lead are manufactured in ac	Source with ISO 0124-3 Safety of 1095 - Pa	
994-1069		Page 2960f

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2017/03/28

16. Other information

 The information is based on our present knowledge at the date of its publication, and designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.

 This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2017/03/28

SAFETY DATA SHEET

1. Product and Com	pany Identification			
[Product name]	PC-3ML Orange			
[File No.]	100295E			
[Date of issue]	2017/03/28			
[Details of Manufact				
	Manufacture's name :	MITSUBISHI PENCIL	CO., LTD.	
	Address:		HI, SHINAGAWA, TO	OKYO. JAPAN
	Telephone number:	03-3458-6281	telefax number:	03-3450-0363
	(Only office hour are available.)			
2. Hazards identifica	ation			
	s section is about the ink.			
Classification of	the substance or mixture	1		
-	MICAL HAZARDS			
Not applicab	le.			
HEALTH HAZA				
Acute toxicit	ty(oral)		: Not classified	
Acute toxici	ty(skin)		: Not classified	
Acute toxicit	ty(inhalation steam)		: Not classified	
Skin corrosio	on/irritation		: Category3	
Serious eye	damage/Eye Irritation		: Not classified	
Respiratory	sensitizer		: Classification no	t possible
Skin sensitiz	er		: Category1	
Germ cell m	utagenicity		: Category1	
Carcinogenic	ity		: Category2	
Toxic to rep	roduction		: Category1	
Specific targ	et organ systemic toxicity	(single exposure)	: Category1	
Specific targ	et organ systemic toxicity	(repeated exposure)	: Category1	
Aspiration ha	azard		: Not classified	
ENVIRONMEN	TAL HAZARDS			
Hazard to th	e Aquatic Environment (A	cute)	: Classification no	t possible
Hazard to th	e Aquatic Environment (C	hronic)	: Not classified	
[Label elements]				
Pictogram				
Signal Word	: Danger			
Hazard Statem	ent : Causes	mild skin irritation		
	: Мау са	use an allergic skin rea	ction	
	: Мау са	use genetic defects		
	: Suspec	ted of causing cancer		
	: May da	mage fertility or the un	born child	
	: Causes	damage to organs		
	: Causes	damage to organs thro	ough prolonged or repe	ated exposure
Precautionary	Statement			

100295E	MITSUBISHI PENCIL CO., LTD.	[Date of issue]: 2017/03/28
	: Do not breathe dust/vapours etc	
	: Do not eat, drink or smoke when using this product.	
	: Use personal protective equipment as required. (Ref	fer to Section 8)
	: Get medical advice/attention if you feel unwell.	
	: Wash contaminated clothing before reuse.	
	: IF ON SKIN: Wash with plenty of soap and water.	
	: IF exposed or concerned: Get medical advice/atten	ntion.
	: If skin irritation occurs: Get medical advice/attentic	on.
	: If skin irritation or rash ouuurs: Get medical advice,	/attention.
	: Dispose in accordance with all current regulations a	and standards.
[Other hazards]	No information available.	

3. Composition/information on ingredients

ostance or a mixture]	Mixture
[Component parts]	Ink[Ink quantity of product :about 3.0g]
Cas No.	Concentration range(wt%)
7732-18-5	50-80
64-17-5	< 10
56-81-5	< 10
7440-22-4	< 10
13463-67-7	< 10
71-23-8	< 1
	Cas No. 7732–18–5 64–17–5 56–81–5 7440–22–4 13463–67–7

4. First aid measures

[Description of first aid measures]	
Eye contact :	Flush eyes with plenty of water for at least 15 minutes.
:	Take off the contact lens if possible
:	Consult medical advice depending on the symptoms.
Skin contact :	Wash skin.
:	Consult medical advice depending on the symptoms.
:	Thoroughly clean and dry contaminated clothing and shoes before reuse.
Ingestion :	Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion.
:	Consult medical advice depending on the symptoms.
Inhalation :	Due to its low vapor pressure inhalation is unlikely at room temperature.
:	If not feeling well, move to an area of fresh air and rest.
:	Consult medical advice depending on the symptoms.
[Most important symptoms and eff	ects, both acute and delayed]
	No information available.
[Indication of any immediate medic	al attention and special treatment needed]
	No information available.

0295E	MITSUBISHI PENCIL CO., LTD.	[Date of issue]: 2017/03/28
5. Firefighting measures		
[Extinguishing media]	Regular dry chemical, carbon dioxide, water, regular	r foam
[Special hazards arising f	om the substance or mixture]	
	No further relevant information available.	
[Advice for firefighters]	Stay upwind and keep out of low areas and avoid in combustion by–products.	halation of material or
	Wear suitable protective equipment.	
6. Accidental release meas	ures	
[Personal precautions, pr	tective equipment and emergency procedures]	
	Rope off the area to contain the leak and prohibit e authorized persons.	entrance except for
	Wear appropriate protection gear.	
	Do not work in the leeward.	
[Environmental precaution	s] Collect leaked material in empty container after lea containing earth and sand.	ding outflow to a safe area
	Do not allow leaked material to pollute rivers, lakes	, etc.
[Methods and material for	containment and cleaning up]	
	Wipe off by dry cloth and wash with water.	
	Dispose of pollution or waste in accordance with na regulations.	ational, state and local
[Reference to other sect	ns] No information available.	
7. Handling and storage		
[Precautions for safe han	ling]	
	Do not lick or swallow the ink.	
	Avoid contact with skin and eyes.	
	Recap after use (if there is a cap), and keep out of	the reach of infants.
[Conditions for safe store	e, including any incompatibilities]	

[Conditions for safe storage, includ	ling any incompatibilities]
	Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.
	Recommended temperature : 0-40°C
[Specific end use(s)]	No information available.

8. Exposure controls/personal protection

[Control parameters]		
Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m3
Silver	-	(TWA)0.1mg/m3
Ethanol	-	(TWA)1000ppm
Glycerine	-	(TWA)10mg/m3
[Exposure controls]		
Protective equipment		: Not required.
Respiratory protection		: Not required.
Hands protection		: Not required.
Eye protection		: Not required.
Skin protection		: Not required.

100295E			MITSUBISHI PENCIL CO., LTD.	[Date of issue]:2017/03/28
9. Physica	al and chemical propertie	s		
	rmation on basic physical and		mical properties]	
Col	or :	Ora	ange lame	
Sta	te :	Liq	uid	
Odd	or :	slig	ht odor	
рH	:	abo	but 8.0	
Boi	ling point :	No	information available.[Water 100.0°C]	
Mel	ting point :	No	information available.	
Flas	sh point :	No	information available.	
Aut	toignition temperature :	No	information available.	
Exp			information available.	
Var	oor density(air=1) :	No	information available.	
Der	nsity :	ab	out 1.1	
Sol	ubility in water	: No	information available.	
Eva			information available.	
Vol	latile	: >7		
[Oth	er information]	No	o information available.	
10. Stabi	lity and reactivity			
[Che	emical stability]		This mixture is stable in normal temperature, a c	condition of the pressure.
[Rea	ictivity]		No data available.	
[Cor	nditions to avoid]		Avoid heat, flames, sparks and other sources of	ignition.
			Avoid direct sunlight and high temperature.	
_	ompatible materials]	_	No information available.	
-	zardous decomposition produc	-	No information available.	
[Pos	ssibility of hazardous reaction	sj	No information available.	
11 Toxic	cological information			
	ormation on toxicological effect	ctsl		
-	oute toxicity(oral)	-		
	Not classified		: >2000 mg/kg (estimate value)	
Ac	cute toxicity(skin)			
	Not classified		: >2000 mg/kg (estimate value)	
Ad	cute toxicity(inhalation:vapour	s)		
	Not classified		: >20 mg/L (estimate value)	
SI	kin corrosion/irritation			
	Silver		: Category2	
S	erious eye damage/Eye Irritat	ion		
	No information available.			
R	espiratory sensitizer			
	No information available.			

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100295E		MITSUBISHI PENCIL CO., LTD.	[Date of issue]:2017/03/28
	Skin sensitizer		
	Silver	: Category1	
	Germ cell mutagenicity		
	Ethanol	: Category1B	
	Ethanol		
	Carcinogenicity		
	1–Propanol	: Category2	
	Toxic to reproduction		
	Ethanol	: Category1A	
	1–Propanol	: Category2	
	Specific target organ systemic toxi	city(single exposure)	
	Silver	: Category1	
	Specific target organ systemic toxi	city(repeated exposure)	
	Titanium dioxide	: Category1	
	Silver	: Category1	
	Ethanol	: Category1	
	Aspiration hazard		
	No information available.		
	Hazard to the Aquatic Environment	(Acute)	
	No information available.		
	Hazard to the Aquatic Environment	(Chronic)	
	No information available.		
12. E	cological information		
	No information available.		
13. D	isposal considerations		
	[Waste treatment methods]		
	Dispose in accordance with all curr	ent regulations and standards.	
	Do not allow it to flow into the drai	nages with waste fluid.	
14. T	ransport information		
	[Environmental hazards]	No information available.	
	[HS Code]	960820	
	[Special precautions for user]	Check the container for any leakage. Load a cargo with incurring damage, and take causion against collapse of c	
15. R	egulatory information		
	Follow all regulation in your country.		
	[Chemical safety assessment] Ink or lead are manufactured in ac	ccordance with ISO 8124-3 ″Safety of Toys – Part 3″	

MITSUBISHI PENCIL CO., LTD.

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16. Other information

- The information is based on our present knowledge at the date of its publication, and designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.
- This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2017/03/28

SAFETY DATA SHEET

[Product name]	PC-3ML Yellow			
[File No.]	100180E			
[Date of issue]	2017/03/28			
[Details of Manufac	ture]			
	Manufacture's name:	MITSUBISHI PENCIL	CO., LTD.	
	Address:	5-23-37, HIGASHIO	HI, SHINAGAWA, TO	KYO, JAPAN
	Telephone number: (Only office hour are available.	03-3458-6281 >	telefax number:	03-3450-0363
2. Hazards identific	ation			
Information of th	is section is about the ink	•		
[Classification of	the substance or mixture	;]		
PHYSICO-CH	EMICAL HAZARDS			
Not applicat	le.			
HEALTH HAZ	ARDS			
Acute toxic	ty(oral)		: Not classified	
Acute toxic	ty(skin)		: Not classified	
Acute toxic	ty(inhalation steam)		: Not classified	
Skin corrosi	on/irritation		: Category3	
Serious eye	damage/Eye Irritation		: Not classified	
Respiratory	sensitizer		: Classification not	possible
Skin sensiti:	ter		: Category1	
Germ cell m	utagenicity		: Classification not	possible
Carcinogeni	city	•	: Classification not	possible
Toxic to rep	roduction		: Classification not	possible
Specific tar	get organ systemic toxicit	y(single exposure)	: Category1	
Specific tar	get organ systemic toxicit	y(repeated exposure)	: Category1	
Aspiration h			: Classification not	possible
ENVIRONMEN	TAL HAZARDS			
	e Aquatic Environment (/		: Classification not	
	e Aquatic Environment ((Chronic)	: Classification not	possible
[Label elements]				
Pictogram				
Signal Word	: Dange	r		
Hazard Staten	ient : Cause	s mild skin irritation		
	: May ca	ause an allergic skin rea	ction	
	: Cause:	s damage to organs		
	: Causes	s damage to organs thro	ough prolonged or repea	ated exposure
Precautionary	Statement			
	: Do not	breathe dust/vapours o	etc	
	: Do not	eat, drink or smoke wh	en using this product.	
	A .	edical advice/attention i	e	

00180E	MITSUBISHI PENCIL	CO., LTD.	[Date of issue]:2017/0
	: Wash contaminated clot	ning before reuse.	
	: IF ON SKIN: Wash with p	plenty of soap and water.	
	: IF exposed or concerned	: Get medical advice/attention.	
	: If skin irritation occurs:	Get medical advice/attention.	
	: If skin irritation or rash	ouuurs: Get medical advice/atte	ntion.
	: Dispose in accordance v	vith all current regulations and s	tandards.
[Other hazards]	No information available		
3. Composition/informatic	n on ingredients		
	a substance or a mixture]	Mixture	
[Chemical nature]	[Component parts]	Ink[Ink quantity of product :	about 3.0g]
Chemical name	Cas No.	Concentration	range(wt%)
Water	773218-5	50-80	0
Silver	7440-22-4	< 10	
4. First aid measures			
[Description of first aid		of water for at least 15 minutes.	
Eye contact	: Take off the contact le		
		depending on the symptoms.	
•••		depending on the symptome.	
Skin contact	: Wash skin.	depending on the symptoms.	
			oes before reuse.
Ingestion	: Rinse mouth, give plent	 Thoroughly clean and dry contaminated clothing and shoes before reuse. Rinse mouth, give plenty of water to dilute. No specific intervention is indicated 	
		ly to be hazardous by ingestion.	
		depending on the symptoms.	
Inhalation		essure inhalation is unlikely at ro	
		to an area of fresh air and rest	•
		depending on the symptoms.	
[Most important sympto	ms and effects, both acute and del		
	No information available		
[Indication of any imme	diate medical attention and special		
	No information availabl	e.	
5. Firefighting measures			
5. Firefighting measures [Extinguishing media]	Regular dry chemical	arbon dioxide, water, regular foa	ım
	from the substance or mixture]		
Lopecial nazarus ansing	No further relevant info	ormation available.	
[Advice for firefighters]		out of low areas and avoid inhala	ation of material or
	Wear suitable protectiv		

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[Personal precautions, protectiv	e equipment and emergency procedures]
	Rope off the area to contain the leak and prohibit entrance except for authorized persons.
	Wear appropriate protection gear.
	Do not work in the leeward.
[Environmental precautions]	Collect leaked material in empty container after leading outflow to a safe ar containing earth and sand.
	Do not allow leaked material to pollute rivers, lakes, etc.
[Methods and material for conta	inment and cleaning up]
	Wipe off by dry cloth and wash with water.
	Dispose of pollution or waste in accordance with national, state and local regulations.
[Reference to other sections]	No information available.
Handling and storage	
[Precautions for safe handling]	
-	Do not lick or swallow the ink.
	Avoid contact with skin and eyes.
	Recap after use (if there is a cap), and keep out of the reach of infants.
[Conditions for safe storage, inc	luding any incompatibilities]
	Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.
	Recommended temperature : 0-40°C
[Specific end use(s)]	No information available.

MITSUBISHI PENCIL CO., LTD.

8. Exposure controls/personal protection

[Control parameters]		
Chemical name	OSHA	ACGIH
Silver	-	(TWA)0.1mg/m3
[Exposure controls]		
Protective equipment		: Not required.
Respiratory protection		: Not required.
Hands protection		: Not required.
Eye protection		: Not required.
Skin protection		: Not required.

9. Physical and chemical properties

[Imformation on basic physica	al and chemical properties]
Color	: Shiny Yellow
State	: Liquid
Odor	: slight odor
pН	: about 8.1
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.

100180E	MITSUBISHI PENCIL CO	D., LTD.	[Date of issue]:2017/03/28
Explosion limits	: No information available.		
Vapor density(air=1)	: No information available.		
Density	: about 1.1		
Solubility in water	: soluble		
Evaporation rate	: No information available.		
Volatile	: >70%		
[Other information]	No information available.		
10. Stability and reactivity			
[Chemical stability]	This mixture is stable	e in normal temperature, a	a condition of the pressure.
[Reactivity]	No data available.		
[Conditions to avoid]	Avoid heat, flames, s	parks and other sources o	of ignition.
-		and high temperature.	
[Incompatible materials]	No information availa	able.	
[Hazardous decomposition pro	ucts] No information availa	able.	
[Possibility of hazardous reac	ns] No information availa	able.	
11. Toxicological information			
[Information on toxicological e	ects]		
Acute toxicity(oral)			
Not classified	:>2000 mg/kg (estim	ate value)	
Acute toxicity(skin)			
Not classified	: >2000 mg/kg (estim	ate value)	
Acute toxicity(inhalation:vap	urs)		
Not classified	: >20 mg/L (estimate	a value)	
Skin corrosion/irritation			
Silver	: Category2		
Serious eye damage/Eye In	ation		
No information available			
Respiratory sensitizer			
No information available			
Skin sensitizer			
Silver	: Category1		
Germ cell mutagenicity			
No information available			
Carcinogenicity			
No information available			
Toxic to reproduction			
No information available			
Specific target organ syste	c toxicity(single exposure)		
Silver	: Category1		

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Specific target organ systemic toxicity(repeated exposure) Silver : Category1 Aspiration hazard No information available. Hazard to the Aquatic Environment (Acute) No information available. Hazard to the Aquatic Environment (Chronic) No information available. 12. Ecological information No information available. 13. Disposal considerations [Waste treatment methods] Dispose in accordance with all current regulations and standards. Do not allow it to flow into the drainages with waste fluid. 14. Transport information

MITSUBISHI PENCIL CO., LTD.

[Environmental hazards]	No information available.
[HS Code]	960820
[Special precautions for user]	Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take causion against collapse of container.

15. Regulatory information

Follow all regulation in your country. [Chemical safety assessment] Ink or lead are manufactured in accordance with ISO 8124-3 "Safety of Toys - Part 3"

16. Other information

- The information is based on our present knowledge at the date of its publication, and designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.
- · This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

[Date of issue]: 2017/03/28 MITSUBISHI PENCIL CO., LTD. 100296E SAFETY DATA SHEET 1. Product and Company Identification [Product name] PC-3ML Green 100296E [File No.] 2017/03/28 [Date of issue] [Details of Manufacture] Manufacture's name: MITSUBISHI PENCIL CO., LTD. 5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN Address: 03-3450-0363 telefax number: 03-3458-6281 Telephone number: (Only office hour are available.) 2. Hazards identification Information of this section is about the ink. [Classification of the substance or mixture] PHYSICO-CHEMICAL HAZARDS Not applicable. HEALTH HAZARDS : Not classified Acute toxicity(oral) : Not classified Acute toxicity(skin) : Not classified Acute toxicity(inhalation steam) : Category3 Skin corrosion/irritation : Not classified Serious eye damage/Eye Irritation : Classification not possible Respiratory sensitizer : Category1 Skin sensitizer : Category1 Germ cell mutagenicity : Category2 Carcinogenicity : Category1 Toxic to reproduction Specific target organ systemic toxicity(single exposure) : Category1 : Category1 Specific target organ systemic toxicity(repeated exposure) : Not classified Aspiration hazard ENVIRONMENTAL HAZARDS : Classification not possible Hazard to the Aquatic Environment (Acute) Hazard to the Aquatic Environment (Chronic) : Not classified [Label elements] Pictogram Signal Word : Danger : Causes mild skin irritation Hazard Statement : May cause an allergic skin reaction : May cause genetic defects : Suspected of causing cancer : May damage fertility or the unborn child : Causes damage to organs : Causes damage to organs through prolonged or repeated exposure

Precautionary Statement

100296E	MITSUBISHI PENCIL CO., LTD.	[Date of issue]:2017/03/28
	: Do not breathe dust/vapours etc	
	: Do not eat, drink or smoke when using this produ	uct.
	: Use personal protective equipment as required.(Refer to Section 8)
	: Get medical advice/attention if you feel unwell.	
	: Wash contaminated clothing before reuse.	
	: IF ON SKIN: Wash with plenty of soap and water.	•
	: IF exposed or concerned: Get medical advice/at	tention.
	: If skin irritation occurs: Get medical advice/atter	ntion.
	: If skin irritation or rash ouuurs: Get medical advid	ce/attention.
	: Dispose in accordance with all current regulation	ns and standards.
[Other hazards]	No information available.	

3. Composition/information on ingredients

[The chemical product is a substance or a mixture]		Mixture	
[Chemical nature]	[Component parts]	Ink[Ink quantity of product :about 3.0g]	
Chemical name	Cas No.	Concentration range(wt%)	
Water	7732-18-5	50-80	
Ethanol	64-17-5	< 10	
Glycerine	56-81-5	< 10	
Silver	7440-22-4	< 10	
Titanium dioxide	13463-67-7	< 10	
1-Propanol	71-23-8	< 1	

4. First aid measures

[Description of first aid measures]		
Eye contact	: Flush eyes with plenty of water for at least 15 minutes.		
	: Take off the contact lens if possible		
	: Consult medical advice depending on the symptoms.		
Skin contact	: Wash skin.		
	: Consult medical advice depending on the symptoms.		
	: Thoroughly clean and dry contaminated clothing and shoes before reuse.		
Ingestion	: Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion.		
	: Consult medical advice depending on the symptoms.		
Inhalation	: Due to its low vapor pressure inhalation is unlikely at room temperature.		
	: If not feeling well, move to an area of fresh air and rest.		
	: Consult medical advice depending on the symptoms.		
[Most important symptoms and effects, both acute and delayed]			
	No information available.		
[Indication of any immediate medical attention and special treatment needed]			
	No information available.		

100296E	MITSUBISHI PENCIL CO., LTD.	[Date of issue]: 2017/03/28
5. Firefighting measures		
[Extinguishing media]	Regular dry chemical, carbon dioxide, water, regu	lar foam
[Special hazards arising from the	substance or mixture]	
	No further relevant information available.	
[Advice for firefighters]	Stay upwind and keep out of low areas and avoid combustion by–products.	inhalation of material or
	Wear suitable protective equipment.	
6. Accidental release measures		
[Personal precautions, protective	equipment and emergency procedures]	
	Rope off the area to contain the leak and prohibi authorized persons.	t entrance except for
	Wear appropriate protection gear.	
	Do not work in the leeward.	
[Environmental precautions]	Collect leaked material in empty container after containing earth and sand.	leading outflow to a safe area
	Do not allow leaked material to pollute rivers, lak	es, etc.
[Methods and material for contain	nment and cleaning up]	
	Wipe off by dry cloth and wash with water.	
	Dispose of pollution or waste in accordance with regulations.	national, state and local
[Reference to other sections]	No information available.	
7. Handling and storage		
[Precautions for safe handling]		
-	Do not lick or swallow the ink.	
	Avoid contact with skin and eyes.	
	Recap after use (if there is a cap), and keep out	of the reach of infants.
[Conditions for safe storage, incl	luding any incompatibilities]	
	Keep away from oxidizing materials, ignition sour direct sunlight.	ces, high temperature and
	Recommended temperature : 0-40°C	
[Specific end use(s)]	No information available.	

8. Exposure controls/personal protection

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m3
Silver	-	(TWA)0.1mg/m3
Ethanol	-	(TWA)1000ppm
Glycerine	-	(TWA)10mg/m3
[Exposure controls]		
Protective equipment		: Not required.
Respiratory protection		: Not required.
Hands protection		: Not required.
Eye protection		: Not required.
Skin protection		: Not required.

[Date of issue]: 2017/03/28

9. Physical and chemical properties

	[Imformation on basic physical and	chemical properties]
	Color	Green lame
	State	Liquid
	Odor	slight odor
	pH :	about 8.0
	Boiling point	No information available.[Water 100.0°C]
	Melting point	No information available.
	Flash point	No information available.
	Autoignition temperature	No information available.
	Explosion limits	No information available.
	Vapor density(air=1)	No information available.
	Density	about 1.2
	Solubility in water	No information available.
	Evaporation rate	No information available.
	Volatile :	>70%
	[Other information]	No information available.
10	Stability and reactivity	
10.	[Chemical stability]	This mixture is stable in normal temperature, a condition of the pressure.
	[Reactivity]	No data available.
[Reactivity] [Conditions to avoid]		Avoid heat, flames, sparks and other sources of ignition.
		Avoid liteat, names, sparks and other sources of ignition. Avoid direct sunlight and high temperature.
	[Incompatible materials]	No information available.
	[Hazardous decomposition produc	
	[Possibility of hazardous reactions	
	2	
11.	Toxicological information	
	[Information on toxicological effec	ts]
	Acute toxicity(oral)	
	Not classified	: >2000 mg/kg (estimate value)
	Acute toxicity(skin)	
	Not classified	: >2000 mg/kg (estimate value)
	Acute toxicity(inhalation:vapours	
	Not classified	: >20 mg/L (estimate value)
	Skin corrosion/irritation	
	Silver	: Category2
	Serious eye damage/Eye Irritatio	
	No information available.	···
	No mornation available.	
	Respiratory sensitizer	
	No information available.	

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296E		MITSUBISHI PENCIL CO., LTD.	[Date of issue]: 2017/03/28
	Skin sensitizer		
	Silver	: Category1	
	Germ cell mutagenicity		
	Ethanol	: Category1B	
	Carcinogenicity		
	1-Propanol	: Category2	
	Toxic to reproduction		
	Ethanol	: Category1A	
	1-Propanol	: Category2	
	Specific target organ systemic toxic	itv(single exposure)	
	Silver	: Category1	
	Specific target organ systemic toxic		
	Titanium dioxide	: Category1	
	Silver	: Category1 : Category1	
	Ethanol		
	Aspiration hazard		
	No information available.		
	Hazard to the Aquatic Environment	(Acute)	
	No information available.		
	Hazard to the Aquatic Environment No information available.	(Chronic)	
12. E	cological information No information available.		
12 5	Disposal considerations		
13. L	[Waste treatment methods]		
	Dispose in accordance with all curre	ent regulations and standards.	
	Do not allow it to flow into the drain		
14 7	Transport information		
14. 1	[Environmental hazards]	No information available.	
	[HS Code]	960820	
	[Special precautions for user]	Check the container for any leakage. Load a cargo witho incurring damage, and take causion against collapse of c	ut a dropping or ontainer.
15. F	Regulatory information		
	Follow all regulation in your country.		
	[Chamical safety assessment]	ccordance with ISO 8124-3 "Safety of Toys - Part 3"	
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[Date of issue]: 2017/03/28

16. Other information

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