

SAFETY DATA SHEET

Date Revised: 1/Sep/2020

1. Identification of the substance / preparation and of the company

Product : TEXTMARK 500
Color : Black, Red, Blue, Green
Company : Teranishi Chemical Industry Co., Ltd.
13-11, Ikue 2-chome, Asahi-ku, Osaka 535-0004, Japan
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Product use : Marking Pen (oil based ink)

2. Hazards identification

Classification

Exposure of hazardous substances are not expected under general use of marking pen.

Hazard statements : If the ink is contact with skin and eyes, may causes mild irritation. In case of inadequate ventilation, there is a case in which you become unwell for a long time use.

Precautionary Statements :

Do not handle until all safety precautions have been read and understood.
Use only in the well-ventilated areas. Recap after use.
Do not rough handling, drop, shaking.
Keep out of reach of children.
Keep cool and protect from sunlight. Keep away from hot surfaces.
Do not eat, drink or smoke when using this product.
If on skin: Wash with soap and water.
If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes.
If eye irritation persists, get medical advice/attention.
If you feel unwell or skin irritation occurs, get medical advice/attention.
Wash thoroughly after handling.
Keep away from ignition sources such as heat/sparks/open flame.
Do not throw into fire even used up.
Avoid release to the environment. – if this is not the intended use.
Dispose in accordance with local state and federal regulations.

[GHS Classification] Not classified

※Assume the general use of oily marking pen.

In case of industrial use, it may be subject to any regulation.

Therefore in case of any special usage, sufficient attention is required irrespective with classification of users.

3. Composition / Information on ingredients

For ink unless otherwise specified.

CHEMICAL PRODUCT : Mixture (Oil based ink for marking pen)

Ingredients	CAS No.	% BY WEIGHT			
		Black	Red	Blue	Green
1-methoxy-2-propanol	107-98-2	49	75	58	75
Ethanol	64-17-5	15	-	16	-
n-Propanol	71-23-8	2	-	2	-
Isopropyl alcohol	67-63-0	1	-	1	-
Benzyl alcohol	100-51-6	6	8	9	8
Methyl lactate	547-64-8	6	-	-	-
Resins	confidential	7	7	8	8
Oil Dyes	confidential	2	9	-	2
Chromium(III) compounds [oil dyes]	confidential	11	-	-	-
Copper compounds [oil dyes]	confidential	-	-	5	7
Addition-agent etc.	confidential	1	1	1	< 1

(specifications of the ink formulation)

Impurities (The chemical listed by Japanese regulations. Their concentration is 0.01% or more.)

4-(2, 4, 4-Trimethylpentan-2-yl)phenol (4-(1, 1, 3, 3-tetramethylbutyl)phenol) (140-66-9) :	Black 0.03%, Green 0.04%
Phenol (108-95-2) :	Black 0.01%, Green 0.01%

4. First aid measures

- INHALATION** : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
The nasal cavity and the mouth are washed by gargle etc.
Medical attention is received if necessary.
- SKIN CONTACT** : Wash skin with plenty of soap and water. Wash contaminated clothing before use.
If irritation is continued, get medical attention.
- EYE CONTACT** : Rinse cautiously with water for several minutes.
If eye irritation persists, get medical attention.
- INGESTION** : Rinse mouth with water or wet towel.
Never give anything by mouth to an unconscious person.
Immediate induce vomiting unless the victim is unconscious.
Immediately call a doctor/physician.

5. Fire-fighting measures

Extinguishing media : Dry chemical powder, carbon dioxide, foam etc.

Extinction method : Fire is extinguished from the windward by using extinguishing media.

Move containers from fire area, if safe to do so.

Wear suitable protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures :

Do not get in eyes or on skin. Ventilate area. Wear suitable protective equipment.

Environmental precautions : Avoid release to the environment.

Cleanup methods : Wipe up the spilt ink with absorbent material (cloth etc.).

7. Handling and storage

HANDLING : Avoid contact with skin or eyes. Avoid rough handling. Recap after use.
Use only in the well-ventilated areas.

Do not treat near the fire, the spark, and the high temperature.

STORAGE : Keep away from sunlight. Keep cool and dry in a well-ventilated area.

Keep away from reach of children. Close the cap.

8. Exposure controls / Personal protection

Exposure limits : ACGIH(2010) TLV

1-methoxy-2-propanol	107-98-2	TWA 100ppm, STEL 150ppm
Ethanol	64-17-5	STEL 1000ppm
n-Propanol	71-23-8	TWA 100ppm
Isopropyl alcohol	67-63-0	TWA 200ppm, STEL 400ppm
Benzyl alcohol	100-51-6	-
Methyl lactate	547-64-8	-

Engineering controls : Use only in the well-ventilated areas.

Personal protective equipment : Avoid the contact of ink to skin or eyes.

Sanitation : Wash hands, gargle thoroughly after handling.

9. Physical and chemical properties

For ink unless otherwise specified

PHYSICAL STATE : liquid

ODOR : Solvent odor

Relative density : about 0.9

Flash point : [Black/Blue] about 25°C, [Red, Green] about 35°C

Ignition point : 227.5°C (1-methoxy-2-propanol), 439°C (Ethanol)

Boiling point : 121°C (1-methoxy-2-propanol), 78°C (Ethanol)

Percent volatile by volume : 79 - 86%

Vapor pressure : 9mmHg (20°C, 1-methoxy-2-propanol), 5.878kPa (20°C, Ethanol)

Vapor density : 3.1 (1-methoxy-2-propanol), 1.59 (Ethanol)

Flammability limits (% by volume) : 2.7 - 11.8 % (1-methoxy-2-propanol),
3.3 - 19.0 % (Ethanol)

Solubility in water : Insoluble (Dry, Resin) Solvent soluble in water.

10. Stability and reactivity

Not data available : Stable under normal conditions of use.

11. Toxicological information

For Ink : Not data available

For ingredients (Reference information)

GHS HEALTH HAZARDS (Japan' s classification)

1-methoxy-2-propanol :	Acute toxicity(Inhalation: Vapours) [Category 4] Serious eye damage/ eye irritation [Category 2B] Specific target organ toxicity - Single exposure [Category 3(Narcotic effects)]
Ethanol :	Serious eye damage/eye irritation [Category 2B] Specific target organ toxicity - Single exposure [Category 3 (Respiratory tract irritation, Narcotic effects)]
n-Propanol :	※Knowledge of hazards caused by alcohol intake were excluded. Serious eye damage/eye irritation [Category 1] Reproductive toxicity [Category 2] Specific target organ toxicity - Single exposure [Category 3 (Narcotic effects, Respiratory tract irritation)]
Isopropyl alcohol :	Serious eye damage/eye irritation [Category 2] Reproductive toxicity [Category 2] Specific target organ toxicity - Single exposure [Category 1 (central nervous system, systemic toxicity), Category 3 (respiratory tract irritation)] Specific target organ toxicity - Repeated exposure [Category 1 (blood system), Category 2 (respiratory system, liver, spleen)]
Benzyl alcohol :	Acute toxicity(Oral) [Category 4] Acute toxicity(Dermal) [category 4] Acute toxicity(Inhalation: Vapours) [Category 3] Serious eye damage/ eye irritation [Category 2]
Methyl lactate :	Not classified
Chromium(III) compounds :	Serious eye damage/ eye irritation [Category 2B] Skin corrosion/irritation [Category 3] Skin sensitization [Category 1] Reproductive toxicity [Category 1B]
Oil dye (Red) :	Acute toxicity(Oral) [Category 4] Serious eye damage/eye irritation [Category 1]
Oil dye (Green) :	Serious eye damage/eye irritation [Category 2B]
Chromium(III) compounds (Blue):	Acute toxicity(Oral) [Category 4]

12. Ecological information

For Ink : Not data available

For ingredients (Reference information)

GHS HEALTH HAZARDS (Japan' s classification)

Chromium(III) compounds: Hazardous to the aquatic environment (Acute) [Category 2]
Hazardous to the aquatic environment (Long-term) [Category 2]

13. Disposal considerations

Dispose in accordance with local state and federal regulations.

14. Transport information

Protect from sunlight, keep away from heat, Note the water wet.

Avoid rough handling.

Comply with national and local regulations.

Road transport regulation(Japan) : Not applicable

As according to the regulations of the Ship Safety Act/ Civil Aeronautics Act.

General name : Marking Pen

The amount of filling ink : Black 2.2g(about 2.4ml) per piece

Other than Black 2.0g(about 2.2ml) per piece

(The ink is held within an absorbent material.)

15. Regulatory information

Follow all regulations in your countries.

16. Other informations

Substances do not directly mean legally regulated.

It depends on use and other conditions.

To the best of our knowledge, the information contained here is accurate.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards are described herein, we cannot

guarantee that these are the only hazards that exist.