

Safety Data Sheet

Version : OSHA-1.0
Date of issue : 2018-11-16
Revision Date :

1. Identification of the mixture and of the company

1.1- Product identifier

Product name : WKT7 mild Lemom Yellow Ink

1.2 - Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture : Ink for writing implement
- Recommended restrictions on use : No information available
- Uses Advised Against : No information available

1.3 - Details of the supplier of the SDS

• Manufacture : ZEBRA CO., LTD.
2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN
TEL : +81-3-3268-1193
FAX : +81-3-3268-1197

1.4 - Emergency telephone number

• Manufacture : +81-3-3268-1193
This phone number is available only during office hours: 9 a.m. to half past 5 p.m.
(Japan time)

2. Hazards identification

Classification of the chemical in accordance with paragraph (d) of § 1910.1200

2.1 Classification of the substance or mixture

Physical hazards

| | |
|-----------------------|----------------|
| Flammable liquids | Not classified |
| Pyrophoric liquids | Not classified |
| Self-heating mixtures | Not classified |
| Corrosive to metals | Not classified |

Health hazards

| | |
|-----------------------------------|-----------------------------|
| Acute toxicity-Oral | Classification not possible |
| Acute toxicity-Dermal | Classification not possible |
| Acute toxicity-Inhalation: vapour | Classification not possible |

| | |
|---|---|
| <u>Unknown Acute Oral Toxicity:</u> | 50% of the mixture consists of ingredient(s) of unknown acute toxicity. |
| <u>Unknown Acute Dermal Toxicity:</u> | 51% of the mixture consists of ingredient(s) of unknown acute toxicity. |
| <u>Unknown Acute Inhalation: vapour Toxicity:</u> | 69% of the mixture consists of ingredient(s) of unknown acute toxicity. |

| | |
|--|--|
| Skin corrosion / irritation | Not classified |
| Serious eye damage / eye irritation | Category 2 |
| Respiratory or skin sensitization | Classification not possible / Category 1 |
| Germ cell mutagenicity | Classification not possible |
| Carcinogenicity | Classification not possible |
| Reproductive toxicity | Classification not possible |
| Specific target organ toxicity (Single exposure) | Classification not possible |
| Specific target organ toxicity (Repeated exposure) | Classification not possible |
| Aspiration hazard | Classification not possible |

Environmental hazards

| | |
|--|----------------|
| Hazardous to the aquatic environment (acute) | Not classified |
| Hazardous to the aquatic environment (chronic) | Not classified |

Hazard(s) not otherwise classified (HNOC)

None known.

2.2 Label elements

Pictograms or Symbol

Exclamation mark



Signal Word

Warning

Hazard statement

May cause an allergic skin reaction
 Causes serious eye irritation

Precautionary Statements

Prevention

Avoid breathing dust/fume/gas/mist/vapours/spray
 Wash hands thoroughly after handling
 Contaminated work clothing should not be allowed out of the workplace
 Wear protective gloves/protective clothing/eye protection/face protection

Response

IF ON SKIN: Wash with soap and water
 IF IN EYES: Rinse continuously with water for several minutes.
 Remove contact lenses if present and easy to do . Continue rinsing
 If skin irritation or a rash occurs: Get medical advice/attention
 If eye irritation persists : Get medical advice/attention
 Take off contaminated clothing and wash it before reuse.

Storage

Store in a well ventilated place. Keep cool and container tightly closed.

Disposal

Dispose of contents/container to in accordance with local government regulation.

3. Composition/information on ingredients

3.1 Substance : Not applicable

3.2 Mixture

Component and Amount

| Component | Amount | CAS No. |
|-----------|--------|--------------|
| Pigments | 1-5% | Trade Secret |
| Glycerol | 15-20% | 56-81-5 |
| Water | 60-65% | 7732-18-5 |
| Resins | 10-15% | Trade Secret |
| Additives | 1-5% | Trade Secret |

Additional information

The specific chemical identify and exact percentages of composition of the mixture has been withheld as a Trade Secrets in accordance with the provisions of paragraph (i) of § 1910.1200 of 29 CFR1910.1200 .

4. First-aid measures

4.1 Description of First-aid measures

After inhalation:

Call a doctor/physician if you feel unwell.
 Remove victim to fresh air and keep at rest in a position comfortable for breathing.

After skin contact:

Wash with soap and water
 Call a doctor/physician if you feel unwell
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash it before reuse.

After eye contact:

Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
If eye irritation persists : Get medical advice/attention

After ingestion:

Call a POISON CENTER or doctor/physician if you feel unwell

Protection of the person who takes first aid

Nothing in particular.

4.2 Most important symptoms and effects, both acute and delayed

No significant reaction of the human body to this product known.

4.3 Indication of any immediate medical attention and special treatment needed

There is no specific and immediate treatment, but should consult a doctor.

5. Fire-fighting measures

5.1 Suitable Extinguishing media

Carbon dioxide, dry chemical powder, water fog, foam

5.2 Special hazards arising from the substance or mixture

Prohibition extinguishing media for safety reason

Water spray (straight)

5.3 Advice for firefighters

Specific hazards

This product is not combustible. But evaporated residue is combustible.
May produce toxic fumes if burning.

Specific fire fighting procedures

If safe to do so, move undamaged containers from the fire area.
If can't move the container, cool containers and surrounding with spray water.
Cool containers with large quantities of water until well after extinguished the fire.

Special protective equipment for fire-fighters

Fire-fighting should be performed from the windward side.
Respiratory protection, and other suitable protective equipment

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

The pollution area should be established as off limits without concerned persons.

Protective equipment and emergency measure

Do not touch the leakage or its damaged container without suitable protection.
Do not walk through the leakage.
Keep sufficient ventilation if the area is indoor.
Remove ignition sources.

6.2 Environmental precautions

Keep away from drains, and prevent from releasing to the environment.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up

Use non-flammable absorbent materials, and put them in airtight container.
Dispose of absorbent in accordance with law.

Prevention of secondary disaster

Remove nearby ignition source and hot surface.

6.4 Reference to other sections

Refer to section 8 and 13.

7. Handling and storage

7.1 Precautions for safe handling

Technical measures

Do suitable equipment measures and use suitable protection that refer to
"8. Exposure control/ personal protection".

Local exhaust ventilation and general ventilation

Use local exhaust ventilation and general ventilation that refer to "8. Exposure control/ personal protection".

Caution

When handling do not use high temperature articles, spark and fire.
 Handle container with care, do not make it turn over, drop, give impact and drag.
 Do not breathe, contact and swallow.
 Maintain air concentrations below exposure limit using exhaust ventilation.
 Do not eat, drink or smoke when using this product.
 Wash hand thoroughly after handling.
 Use only outdoors or in a well-ventilated area.
 Avoid release to the environment.

Avoid contact

Refer to section 10 about stability and reactivity.

7.2 Conditions for safe storage, including incompatibilities

Storage

Incompatible materials

Refer to section 10 about stability and reactivity.

Storage condition

Store away from heat/sparks/open flames – No smoking
 Store in a well ventilated place. Keep cool and container tightly closed.
 Store locked up.

The Containers

Use the container that our company filled up when ship products

7.3 Specific end uses

Not applicable

8. Exposure control/ personal protection

8.1 .1 Control parameters

Exposure limit values

| Chemical name | OSHA Permissible Exposure Limits (PEL) | ACGIH TLV-TWA |
|---------------|--|--------------------------|
| Glycerol | 15mg/m3 | 10mg/m3 (mist,TWA, 2009) |

8.2 Exposure controls

Equipment measures

Put up local exhaust ventilation. Use explosion-proof electrical/ventilating/lighting.
 Take precautionary measures against static discharge.
 Put up emergency eyewash and shower in case of storage or handling about this product.

Protection

Respiratory protection

If necessary use suitable respiratory protection.

Hand protection

Use suitable protective gloves.

Eye protection

Use suitable eye protection.

Skin/body protection

If necessary use suitable face protection.

Hygiene measures

Do not eat, drink or smoke when using this product.
 Wash thoroughly after handling.

9. Physical and chemical properties

Appearance

Yellow Liquid

Odour

A little peculiar odour

Odour threshold

No data available

pH

No data available

| | |
|---------------------------------------|-------------------|
| Evaporation rate | No data available |
| Flammability | No data available |
| Melting point / Coagulating point | No data available |
| Boiling point | No data available |
| Flash point | No data available |
| Explosive limit UEL | No data available |
| Explosive limit LEL | No data available |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Relative density | No data available |
| Water solubility | Soluble in water |
| Partition coefficient n-octanol/water | No data available |
| Ignition point | No data available |
| Decomposition point | No data available |
| Viscosity | No data available |
| Explosive properties | No data available |
| Oxidising properties | No data available |

Other information
 No data available

10. Stability and reactivity

| | |
|----------------------------------|---|
| Chemical stability | This product is stable in normal condition. |
| Materials to Avoid | No data available |
| Conditions to avoid | No data available |
| Incompatible materials | No data available |
| Hazardous decomposition products | No data available |

11. Toxicological information

| | |
|---|--|
| Acute toxicity—Oral | Classification not possible |
| Acute toxicity—Dermal | Classification not possible |
| Acute toxicity—Inhalation : vapour | Classification not possible |
| Skin corrosion / irritation | Not classified |
| Serious eye damage / eye irritation | Category 2 |
| Respiratory or skin sensitization | Classification not possible / Category 1 |
| Germ cell mutagenicity | Classification not possible |
| Carcinogenicity | Classification not possible |
| Reproductive toxicity | Classification not possible |
| Specific target organ toxicity(Singel exposure) | Classification not possible |
| Specific target organ toxicity(Repeated exposure) | Classification not possible |
| Aspiration hazard | Classification not possible |

12. Ecological information

| | |
|---|----------------------|
| Hazardous to the aquatic environment(acute) | Not classified |
| Hazardous to the aquatic environment(chronic) | Not classified |
| Degradability | No data is available |
| Bioaccumulative potential | No data is available |
| Mobility in soil | No data is available |

13. Disposal considerations

| |
|---|
| Waste treatment methods |
| Waste residues |
| Disposal must be made according to official regulations. Avoid release to the environment. |
| Contaminated container and packaging |
| Do not flush into the sewer. |

Remove all contents when you dispose of empty containers.

14. Transport information

14.1 Un number

14.2 UN proper shipping name

14.3 Transport hazard class(es)

14.4 Packaging group

International regulation

IMDG (Maritime transport)

| | |
|------------------|----------------|
| UN No. | Not applicable |
| Class | - |
| Packing Group | - |
| Marine Pollutant | - |
| Shipping name | - |

ICAO/IATA (Air transport)

| | |
|---------------|----------------|
| UN No. | Not applicable |
| Class | - |
| Packing Group | - |
| Shipping name | - |

ADR/RID (Land transport)

| | |
|---------------|----------------|
| UN No. | Not applicable |
| Class | - |
| Packing Group | - |
| Shipping name | - |

14.5 Environmental hazards

| | |
|--|----------------|
| Hazardous to the aquatic environment (acute) | Not classified |
| Hazardous to the aquatic environment (chronic) | Not classified |

14.6 Special precautions for user

Not applicable.

Special precautions

- Prevent from falling, stumbling and doing damage when the container loading.
- Avoid acute vibration and friction for container.
- If there are some indications of hazard in transporting like acute leak in transporting, take emergency measures and report the accident at once to disaster management agency.
- Avoid transport with foods or feeds.
- Above regulations are not applied to transport of writing instruments filled with the ink.
- Follow all regulation in your country.

15. Regulatory information

Follow all regulation in your country.

16. Other information

In this sheet, the contents of ingredients and the value of physical and chemical properties are not guaranteed performance.

The information contained in this sheet is based on the data available at now.

But this shall not constitute a guarantee for any specific or classification.

Please be alert to handling this product because chemicals shall have unknown hazards.

This sheet may be revised when we get new information.

The information is assumed in the case of large-scale handling on business operations.

They cannot be always applicable to general use of writing instruments.

Revision

2018/11/16 First version