

## 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 : OP-100 Red Violet 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	Not classified
Acute toxicity-Dermal	Not classified
Acute toxicity-Inhalation: vapour	Classification not possible

Unknown Acute Oral Toxicity: 48% of the mixture consists of ingredient(s) of unknown acute toxicity.

Unknown Acute Dermal Toxicity: 49% of the mixture consists of ingredient(s) of unknown acute toxicity.

Unknown Acute Inhalation: vapour Toxicity: 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 / Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
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)	Classification not possible
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**

Causes serious eye irritation

**Precautionary Statements****Prevention**

Wash hands thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

**Response**

IF IN EYES: 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

**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 POISON CENTER or doctor/physician if you feel unwell

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**After skin contact:**

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

If skin irritation occurs: Get medical advice/attention

**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.

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**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

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**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.

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**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**

<b>Appearance</b>	Red Violet Liquid
<b>Odour</b>	A littit peculiar odour
<b>Odour threshold</b>	No data available
<b>pH</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability</b>	No data available
<b>Melting point / Coagulating point</b>	No data available
<b>Boiling point</b>	No data available
<b>Flash point</b>	No data available
<b>Explosive limit UEL</b>	No data available
<b>Explosive limit LEL</b>	No data available
<b>Vapour pressure</b>	No data available

Vapour density	No data available
Relative density	No data available
Water solubility	No data available
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
<b>Other information</b>	
No data available	

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**10. Stability and reactivity**

<b>Chemical stability</b>	This product is stable in normal condition.
<b>Materials to Avoid</b>	No data available
<b>Conditions to avoid</b>	No data available
<b>Incompatible materials</b>	No data available
<b>Hazardous decomposition products</b>	No data available

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**11. Toxicological information**

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

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**12. Ecological information**

<b>Hazardous to the aquatic environment(acute)</b>	Classification not possible
<b>Hazardous to the aquatic environment(chronic)</b>	Not classified
<b>Degradability</b>	No data is available
<b>Bioaccumulative potential</b>	No data is available
<b>Mobility in soil</b>	No data is available

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**13. Disposal considerations**

<b>Waste treatment methods</b>	
<b>Waste residues</b>	
Disposal must be made according to official regulations. Avoid release to the environment.	
<b>Contaminated container and packaging</b>	
Do not flush into the sewer. Remove all contents when you dispose of empty containers.	

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**14. Transport information**

<b>14.1 Un number</b>	
<b>14.2 UN proper shipping name</b>	
<b>14.3 Transport hazard class(es)</b>	
<b>14.4 Packaging group</b>	

**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)	Classification not possible
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