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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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Based on the law and regulation in Japan

For ink unless otherwise specified

Ingredients	CAS Number	EINECS Number	Weight %	Component
Triethanolamine	102-71-6	203-049-8	2.2	All Colors

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### 4. FIRST AID MEASURES

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- Inhalation : Remove subject to ventilated fresh air. Consult physician if necessary.
- Ingestion : Refer for medical attention.
- Skin contact : Wash the affected area under tepid running water using a mild soap.  
And refer for medical attention if irritation continues.
- Eye contact : Gently rinse the affected eyes with clean water for at least 15 minutes.  
And refer for medical attention if irritation continues.
- First aid facilities : Ensure eyewash and water service are available.
- Medical attention
- Local contamination  
: In case of skin or eye contamination treat as under First Aid Measures.
- Systemic poisoning  
: There is no specific antidote. Treat symptoms.

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### 5. FIRE-FIGHTING MEASURES

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- 5.1. Suitable extinguishing media : Not classed as flammable.  
In case of fire, use water spray, foam, dry chemical powder or carbon dioxide.
- 5.2. Extinguishing media which shall not be used for safety : None
- 5.3. Special exposure hazards arising from the substance or mixture itself, combustion products : CO<sub>2</sub>, CO, NO<sub>x</sub>, and SO<sub>x</sub> are produced after combustion.
- 5.4. Special protective equipment for fire-fighters : Not required
- 5.5. Additional information : None

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### 6. ACCIDENTAL RELEASE MEASURES

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- 6.1. Personal precautions : Use proper ventilation. Use eye and skin protection.
- 6.2. Environmental precautions : Keeping away from drains, surface-and ground-water and soil, possible need to alert the neighbourhood.
- 6.3. Methods for cleaning up : Absorb spill with material (cloth or paper), then place in chemical waste containers.
- 6.4. Additional information : None

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### 7. HANDLING AND STORAGE

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- 7.1. Handling : Avoid rough handling or dropping.
- 7.1.1. Protective measures : Not required in normal use.
- 7.1.2. Measures to prevent aerosol and dust generation : Not required in normal use.



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**10. STABILITY AND REACTIVITY**

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- 10.1. Conditions to avoid : This material is stable.  
10.2. Materials to avoid : This material is stable.  
10.3. Hazardous decomposition products : No data

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**11. TOXICOLOGICAL INFORMATION**

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For ink unless otherwise specified

- 11.1. Toxicokinetics, metabolism and distribution : No data  
11.2. Acute effects (acute toxicity, irritation and corrosivity)  
: Acute toxicity Triethanolamine LD<sub>50</sub> 4.92 ml/kg(rat)  
11.3. Sensitization : No data  
11.4. Repeated dose toxicity : No data  
11.5. CMR (carcinogenity, mutagenicity, and toxicity for reproduction) : No data

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**12. ECOLOGICAL INFORMATION**

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- 12.1. Ecotoxicity : No data  
12.2. Mobility : No data  
12.3. Persistence and degradability : No data  
12.4. Bioaccumulative potential : No data  
12.5. Results of PBT assessment : No data  
12.6. Other adverse effects : None

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**13. DISPOSAL CONSIDERATIONS**

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- Follow all regulations in your country.

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**14. TRANSPORT INFORMATION**

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For ink unless otherwise specified

- 14.1. UN number : Not applicable  
14.2. Class : Not applicable  
14.3. Proper shipping name : Not applicable  
14.4. Packing group : Not applicable  
14.5. Marine pollutant : Not applicable  
14.6. Other applicable information : None

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**15. REGULATORY INFORMATION**

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- Follow all regulations in your country.

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**16. OTHER INFORMATION**

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The information here is given in good faith, but no warranty, express or implied, is made.  
Final determination of suitability of any material is the sole responsibility of the user.