

MATERIAL SAFETY DATA SHEET

GEL ROLLER RED INK

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**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

Product Name : Red  
Product Description : Red liquid and slight odor  
Use of the Substance/Preparation : For industrial use only in bulk  
Supplier : Hainenko Limited  
284 Chase Road, London, N14 6HF  
d.ashpole@hainenko.com  
Emergency Telephone No. : 0044 20 8882 8734

**2. HAZARDOUS IDENTIFICATION**

Classification of the mixture

Classification in accordance with EC No 1272/2008:

Skin Irrit.2: H315

Eye Irrit.2 : H319

**[GHS LABEL ELEMENTS]**

Pictogram



Signal Word

: Warning

Hazard Statement

: H315 : Causes skin irritation  
: H319 : Causes serious eye irritation

Precautionary Statement

**[Prevention]**

: P264 : Wash hands thoroughly after handling.  
P280 : Wear protective gloves/protective clothing/eye protection/  
face protection.

**[Emergency Response]**

: P302+ P352 : IF ON SKIN: Wash with plenty of water.  
P305+ P351+ P338 : IF IN EYES: Rinse cautiously with water for  
several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
P332+ P313 : If skin irritation occurs: Get medical advice / attention.  
P337+ P313 : If eye irritation persists, : Get medical advice / attention.  
P362 : Take off contaminated clothing and wash before reuse.

**[Disposal]**

: Not applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

## Hazardous Component(s)

Component(s)	CAS No.	EU No.	%(W/W)	Pictograms	Hazard Statement Code(s)	Hazard Class and Category Code(s)
Ethane-1,2-diol	107-21-1	203-473-3	20-30		H302	Acute Tox.4
Ammonia, aqueous solution (25%)	7733-21-6	215-647-6	0.1-1		H314	Skin Corr.1B
					H400	Aquatic Acute 1
Propan-2-ol	67-63-0	200-661-7	0.1-1		H225	Flam.Liq.2
					H319	Eye Irrit.2
					H336	STOT SE 3
2,2'-Iminodiethanol	111-42-2	203-868-0	<0.1		H302	Acute Tox.4
					H315	Skin Irrit.2
					H318	Eye Dam.1
2,2',2''-nitrilotriethanol	102-71-6	203-049-8	0.1-1		H373	STOT SE 2
					H315	Skin Irrit.2
					H319	Eye Irrit.2
					H317	Skin Sens. 1
1,2-benzisothiazolin-3-one	2634-33-5	220-120-9	<0.05		H336	STOT SE 3
					H302	Acute Tox.4
					H315	Skin Irrit.2
					H317	Skin Sens. 1
					H318	Eye Dam.1
Potassium hydroxide	1310-58-3	215-181-3	0.1-1		H400	Aquatic Acute 1
					H302	Acute Tox.4
					H314	Skin Corr.1A

**4. FIRST AID MEASURES**

General information	: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
Eye Contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, : Get medical advice/ attention.
Skin Contact	: If skin irritation occurs: Get medical advice/ attention.
Inhalation	: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. : Get medical attention immediately.
Ingestion	: If swallowed, wash out the mouth. Never give anything by mouth to an unconscious person. : Get medical attention immediately.

**5. FIRE-FIGHTING MEASURES**

Fire Fighting	: Remove all sources of ignition and extinguish with the designated extinguisher.
Extinguish Media	: Water spray, foam, dry chemical powder, carbon dioxide.

**6. ACCIDENTAL RELEASE MEASURES**

In case of small quantity	: Wipe with the materials such as waste cloth.
In case of large quantity	: Pick up to the container after leading to the safer place by using sand, earth, other appropriate barr : Prevent from spreading or entering drains, ditches or rivers.

**7. HANDLING AND STORING**

Handling	: Avoid the damage to the container.
Storage	: Must be stored in a well-ventilated area, away from sunlight, ignition sources and other sources of heat. : Stir the product before use when stored for a long time.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure Limits	: ACGIH : 5mg/m <sup>3</sup> (2,2',2''-nitrioltriethanol) : ACGIH : 100mg/m <sup>3</sup> (aerosol, upper) (Ethane-1,2-diol)
Equipment	: Install the local exhaust ventilator and eyewash stations.
Personal Protection	: Wear safety eyewear, protective gloves and protective mask.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: Red liquid
Flash Point	: Not available
Explosion Limit	: Lower: Not available Upper: Not available
Boiling Point	: Approx. 100°C
Density	: Not available
Solubility	: Soluble in water
Volality	: Not available

Solids Content : Not available  
 PH-Value at 25°C : Not available  
 Viscosity at 25°C : Not available

#### 10. STABILITY AND REACTIVITY

Flammability : None  
 Combustibility : Not applicable  
 Oxidizing Properties : Not applicable  
 Self-reactivity/explosibility : Not applicable  
 Dust Explosibility : Not applicable  
 Stability : Stable under normal conditon of use.  
 Other Properties : Not available

#### 11. TOXICOLOGICAL INFORMATION

##### INFORMATION ON TOXICOLOGICAL EFFECTS

Acute Toxicity (Oral) : Not classified  
 Acute Toxicity (Skin) : Not classified  
 Acute Toxicity (Inhalation) : Not classified  
 Skin Irritation : Causes skin irritation  
 Eye Irritation : Causes serious eye irritation  
 Respiratory sensitization : Not classified  
 Skin sensitization : Not classified  
 Carcinogenicity : Not classified  
 Germ cell mutagenicity : Not classifie  
 Reproductive toxicity: : Not classified  
 Specific target organ toxicity (STOT) – single exposure : Not classified  
 Specific target organ toxicity (STOT) – repeated exposure : Not classified  
 Aspiration hazard : Not classified

#### 12. ECOLOGICAL INFORMATION

Decomposition Nature : Not available  
 Accumulative Properties : Not available  
 Fish Toxicity : LC50 (96h, Oryzias latipes) : >100mg/L (as Ethane-1,2-diol)

#### 13. DISPOSAL CONSIDERATIONS

Product : Do not dump this material into sewers, on the ground or into any body of water. Comply with all relevant regulations.  
 Contact an accredited disposal contractor for the special advice.

#### 14. TRANSPORT INFORMATION

Land Transport: ADR/RID  
 ADR/ RID Class : Not applicable/Not regulated  
 Maritime Transport: IMDG  
 IMDG Class : Not applicable/Not regulated  
 Air Transport: ICAO-TI/IATA-DGR  
 ICAO-TI/IATA-DGR Class : Not applicable/Not regulated

**15. REGULATORY INFORMATION**

Please refer to any other national measures that may be relevant.

Substances subject to Authorization (Annex XIV of Regulation (EC) No 1907/2006) : Not applicable

German Water Hazard Class : WGK 1 (as Ethane-1,2-diol)

Ozone Depleting Substances (Regulation (EC) No 1005/2009) : Not applicable

**16. OTHER INFORMATION**

Uses and Restrictions : Use only in industrial manufacturing processes.

Disclaimer : The information in this document is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.