

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

Product Name : Blue
Product Description : Blue 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	5-10		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
					H373	STOT SE 2
2,2',2''-nitrilotriethanol	102-71-6	203-049-8	0.1-1		H315	Skin Irrit.2
					H319	Eye Irrit.2
					H317	Skin Sens. 1
					H336	STOT SE 3
1,2-benzisothiazolin-3-one	2634-33-5	220-120-9	<0.05		H302	Acute Tox.4
					H315	Skin Irrit.2
					H317	Skin Sens. 1
					H318	Eye Dam.1
					H400	Aquatic Acute 1
Potassium hydroxide	1310-58-3	215-181-3	0.1-1		H302	Acute Tox.4
					H314	Skin Corr.1A
Phthalocyanine blue	147-14-8	205-685-1	5-10	-	-	-

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 ³ (2,2',2''-nitrilotriethanol) : ACGIH : 100mg/m ³ (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	: Blue 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.