



SAFETY DATA SHEET

JOY BLUE LHF-61

Date of Issue: Apr.5, 2018

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

Product Name : JOY BLUE LHF-61
Product Description : Blue liquid and slight odor
Use of the Substance/Preparation : For industrial use only
Supplier : Mikuni Color Ltd.
67 Kokubunji, Mikunino-Cho, Himeji, Japan
Emergency Telephone No. : +(81)-792-52-0783

2. HAZARDOUS IDENTIFICATION

Classification of the mixture

Classification in accordance with EC No 1272/2008:

Skin Irrit.2: H315
Skin Sens. 1: H317
Eye Irrit.2 : H319

[GHS LABEL ELEMENTS]

Pictogram



Signal Word

: Warning

Hazard Statement

: H315: Causes skin irritation
: H317: May cause an allergic skin reaction
: H319: Causes serious eye irritation

Precautionary Statement

[Prevention]

: P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash hands thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
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.
P333+P313: If skin reaction or rash occurs: Get medical advice/ attention.

P337+P313: If eye irritation persists, Get medical advice/ attention

P362: Take off contaminated clothing and wash before reuse.

P363: Wash contaminated clothing before reuse.




















[Disposal]

: P501: Dispose of content/ container in accordance with related laws and local/regional regulations.

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	10-20		H302	Acute Tox.4
Propan-2-ol	67-63-0	200-661-7	0.1-1		H225	Flam.Liq.2
					H319	Eye Irrit.2
					H336	STOT SE 3
Ammonia, aqueous solution (25%)	1336-21-6	215-647-6	0.1-1		H314	Skin Corr.1B
					H400	Aquatic Acute 1
2,2',2''-nitrioltriethanol	102-71-6	203-049-8	1-5		H315	Skin Irrit.2
					H319	Eye Irrit.2
					H317	Skin Sens. 1
					H335	STOT SE 3
2,2'-Iminodiethanol	111-42-2	203-868-0	0.1-1		H302	Acute Tox.4
					H315	Skin Irrit.2
					H318	Eye Dam.1
					H373	STOT SE 2
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
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.
If skin reaction or rash 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 barriers.
: 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, ignitio 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/m³ (2,2',2''-nitrilotriethanol)
: ACGIH : 100mg/m³ (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
- Volatility** : 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 condition of use.
Other Properties	: Not available

11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Acute Toxicity (Oral)	: Classification not possible
Acute Toxicity (Skin)	: Classification not possible
Acute Toxicity (Inhalation)	: Classification not possible
Skin Irritation	: Causes skin irritation
Eye Irritation	: Causes serious eye irritation
Respiratory sensitization	: Classification not possible
Skin sensitization	: May cause an allergic skin reaction
Carcinogenicity	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Reproductive toxicity:	: Classification not possible
Specific target organ toxicity (STOT) – single exposure	: Classification not possible
Specific target organ toxicity (STOT) – repeated exposure	: Classification not possible
Aspiration hazard	: Classification not possible

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.
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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.

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

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.