



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

ProductName	J O Y B l u e L H F - 6 1		
Company	Company	Mikuni Color Ltd.	
	Address	138-1 Kokubunji, Mikunino-Cho, Himeji, Japan	
	Name of Section	Quality Assurance Division	Prepared By Shousuke Okuda
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2. Hazards Identification

[GHS Category]

PHYSICO-CHEMICAL HAZARDS

Not corresponding to classification criteria.

HEALTH HAZARDS

Acute toxicity(oral)	: Can not be classified
Acute toxicity(skin)	: Can not be classified
Acute toxicity(inhalation)	: Can not be classified
Skin corrosion/irritation	: Category3
Serious eye damage/Eye Irritation	: Category2
Respiratory sensitizer	: Can not be classified
Skin sensitizer	: Category1
Germ cell mutagenicity	: Can not be classified
Carcinogenicity	: Can not be classified
Toxic to reproduction	: Category2
Specific target organ systemic toxicity(single exposure)	: Category1
Specific target organ systemic toxicity(repeated exposure)	: Category1
Aspiration hazard	: Can not be classified

ENVIRONMENTAL HAZARDS

Hazard to the Aquatic Environment (Acute)	: Can not be classified
Hazard to the Aquatic Environment (Chronic)	: Can not be classified

[GHS LABEL ELEMENTS]

Pictogram



Signal Word	: Danger
Hazard Statement	: Causes mild skin irritation : Causes serious eye damage : May cause an allergic skin reaction : Suspected of damaging fertility or the unborn child : Causes damage to organs : Causes damage to organs through prolonged or repeated exposure
Precautionary Statement	: Obtain special instructions before use. : Do not handle until all safety precautions have been read and understood : Wear named personal protective equipment. : During use or drying process, provide adequate ventilation and do not inhale vapour. : In case of eye contact, flush eye with large amount of water and get medical attention immediately. : Do not eat, drink or smoke when using this product. : Wash hands thoroughly after handling. : IF exposed or may be exposed, get medical attention/advice. : In case of skin contact, wash with plenty of soap and water. : IF exposed or if you feel unwell: Get immediate medical advice/attention. : Contact an accredited disposal contractor for disposal of the product and the container.

3. Composition/Information on Ingredients

Substance or Preparation	: Preparation		
Component(s)	%(W/W)	CAS No.	EINECS
Phthalocyanine blue	5-10	147-14-8	
2,2',2''-Nitrilotriethanol	1-5	102-71-6	
Ammonia, anhydrous	0.1-1	7664-41-7	
Propan-2-ol	0.1-1	67-63-0	
Ethane-1,2-diol	10-20	107-21-1	
Dispersant 1	Non-Disclosure	Registered	
Polyethylene glycol	Non-Disclosure	25322-68-3	
Glycerol	Non-Disclosure	56-81-5	
Water	Non-Disclosure	7732-18-5	

Ammonia: The content of ammonia is the corresponding value in weight derived from aqueous ammonia

4. First Aid Measures

Eye contact	: Immediately flush eyes with large amount of water for at least 15 minutes while holding eyelids open. : Get medical attention immediately .
Skin contact	: Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.
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 Measure

- 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, or other appropriate barriers.
: Prevent from spreading or entering drains, ditches or rivers.

7. Handling and Storage

- 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 Control/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 : 100
Melting point : Not available
Density : Not available
Solubility : It is Soluble in Water.
Ignition point : Not available
Vapor pressure : Not available
Volatility : Not available
Initial boiling point : Not available
Other properties : 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 : No information available

11.Toxicological Information

- Acute toxicity (Oral) : LD50(oral) >5,000mg/kg(calculated value)
 - Acute toxicity(skin) : LD50(skin) >5,000mg/kg(calculated value)
 - Acute toxicity (Inhalation) : LC50(inhalation) >50.0mg/L(calculated value)
 - Skin corrosion/irritation : Information of 2,2',2''-Nitrioltriethanol
 - Serious eye damage/eye irritation : Information of 2,2',2''-Nitrioltriethanol
 - Respiratory sensitizer : No information available
 - Skin sensitizer : Information of 2,2',2''-Nitrioltriethanol
 - Germ cell mutagenicity : Information of 2,2',2''-Nitrioltriethanol
: Information of Ethane-1,2-diol
 - Carcinogenicity : Information of 2,2'-Iminodiethanol
: Information of 2,2',2''-Nitrioltriethanol
: Information of Propan-2-ol
: Information of Ethane-1,2-diol
 - Toxic to reproduction : Information of Propan-2-ol
 - Specific target organ systemic toxicity(single exposure) : Causes damage to organ Ethane-1,2-diol
 - Specific target organ systemic toxicity(repeated exposure) : Causes damage to organ Ethane-1,2-diol
 - Aspiration hazard : No information available
- ENVIROMENTAL
HAZARDS**
- Hazard to the Aquatic Environment (Acute) : Information of 2,2',2''-Nitrioltriethanol
: Information of Ethane-1,2-diol
 - Hazard to the Aquatic Environment (Chronic) : Information of 2,2',2''-Nitrioltriethanol
: Information of Ethane-1,2-diol

12.Ecological Information

- decomposition nature : No information available
- Accumulative properties : No information available
- Fish toxicity : No information available
- Other hazards : No information available

13.Disposal Considerations

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

Not regulated as dangerous cargo and suitable for air/sea transportation.

Class : Not applicable UN-Number : Not applicable

Packing : -
Group

15. Regulatory Information

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

16. Other Information

- Use only in industrial manufacturing processes.
- 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.