



SAFETY DATA SHEET

1. Product and Company Identification

Product Name	JOY RED LHF-94		
Company	Company	Mikuni Color Ltd.	
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	Name of Section	Quality Assurance Division	Prepared By Masanori Nakano
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Reference NO.	Date of Issue	2017/12/22	Version 1
Recommended use	Industrial paint ingredient		

2. Hazards Identification

[GHS Category]

PHYSICO-CHEMICAL HAZARDS

Not corresponding to classification criteria.

HEALTH HAZARDS

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

ENVIRONMENTAL HAZARDS

Hazardous to the aquatic environment, short-term(acute)	: Below the criteria of hazard categories
Hazardous to the aquatic environment, long-term(chronic)	: Below the criteria of hazard categories
Hazardous to the ozone layer	: Can not be classified

[GHS LABEL ELEMENTS]

Pictogram	:	 
Signal Word	:	Danger

Hazard Statement	: Causes mild skin irritation : May cause an allergic skin reaction : Suspected of causing cancer : Suspected of damaging fertility or the unborn child : Causes damage to organs
Precautionary Statement	: Do not handle until all safety precautions have been read and understood. : Avoid breathing dust/fumes/gas/mist/vapors/spray. : Wash hands and gargle sufficiently after use. : Do not eat, drink, or smoke when using this product. : Use only outdoors or in a well-ventilated area. : Avoid release into the environment. : Put on protective gloves, clothing, goggles, and/or masks. : If placed on skin: Wash away with plenty of water and soap. : IF INHALED: Remove person to fresh air and keep comfortable. : If put in eye: Wash with water carefully for several minutes. If contact lenses are used and can be removed easily, take them off. : If exposed or in danger of exposure: Consult a physician and seek medical treatment. : If you feel ill, consult a physician/seek medical treatment. : If skin is irritated: Consult a physician/seek medical treatment. : If eye irritation continues: Consult a physician/seek medical treatment. : Collect spillage. : Store in a well-ventilated place. Keep container tightly closed. : Store locked up. : Commission qualified industrial waste disposer to dispose of contents and the container.

3.Composition/Information on Ingredients

Substance or Preparation	: Preparation		
Component(s)	%(W/W)	CAS No.	EINECS
2,2'-Iminodiethanol	0.1-1	111-42-2	
2,2',2''-Nitrilotriethanol	1-5	102-71-6	
Propan-2-ol	0.1-1	67-63-0	
Ethane-1,2-diol	5-10	107-21-1	
Organic red pigment	Non-Disclosure	Registered	
Dispersant 1	Non-Disclosure	Registered	
Polyethylene glycol	Non-Disclosure	25322-68-3	
Water	Non-Disclosure	7732-18-5	

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 : Red Liquid
- Flash point : Not available
- Explosion limit : Lower: Not available Upper: Not available
- Boiling point : Approx. 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(dermal)	: 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''-Nitrilotriethanol : Information of Ethane-1,2-diol
Serious eye damage/eye irritation	: No information available
Respiratory sensitizer	: No information available
Skin sensitizer	: Information of 2,2',2''-Nitrilotriethanol
Germ cell mutagenicity	: No information available
Carcinogenicity	: Information of 2,2'-Iminodiethanol
Toxic to reproduction	: Information of 2,2'-Iminodiethanol : Information of Propan-2-ol
Specific target organ toxicity following single exposure	: Causes damage to organ Ethane-1,2-diol
Specific target organ toxicity following repeated exposure	: Causes damage to organ 2,2',2''-Nitrilotriethanol
Aspiration hazard	: No information available
ENVIRONMENTAL HAZARDS	
Hazardous to the aquatic environment, short-term(acute)	: Information of 2,2',2''-Nitrilotriethanol : Information of Ethane-1,2-diol
Hazardous to the aquatic environment, long-term(chronic)	: Information of 2,2',2''-Nitrilotriethanol : Information of Ethane-1,2-diol
Hazardous to the ozone layer	: No information available

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

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.