



Material Safety Data Sheet

Model No. : LM238WR2-SPE1

1. Liquid Crystal(in Cell Assy.)

Company : LG Display Co., Ltd.

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Date : 2025-04-04

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Liquid Crystal (in Cell Assy.)

1. Product Identification

Material name : ML0706-1

2. Composition/Information on Ingredients

Mixture of Liquid Crystal

3. Hazards Identification

The test results available do not permit a complete assessment to be made at this point in time.

4. First Aid Measures

After inhalation :

Fresh air

After skin contact :

Wash off with plenty of water. Remove contaminated clothing.

After eye contact :

Rinse out with plenty of water with the eyelid held wide open. Summon eye specialist if necessary.

After ingestion :

Make victim, drink plenty of water, induce vomiting, summon doctor.

5. Fire Fighting Measures

Suitable extinguishing media :

Foam, Powder, Water.

Protective equipment for fire fighting :

Do not stay in dangerous zone without self-contained breathing apparatus. Combustible.

Other information :

Prevent fire-fighting water from entering surface water or ground water.

Products of combustion :

Development of hazardous combustion gases or vapours possible in the event of fire.

6. Accidental Release Measures

Procedures for cleaning / absorption :

Take up with liquid-absorbent material, Forward for Disposal. Clean up affected area

7. Handling and Storage

Handling :

No further requirements.

Storage :

Tightly closed. Dry. At room temperature (recommendation : + 12 to 25 °C)

8. Exposure Controls/Personal Protection

Engineering controls :

Provide exhaust ventilation or other engineering controls to keep the airborne concentration of vapors below their hazardous level.

Respiratory protection :

Required when vapours / aerosol are generated

Eye & Hand protection :

Required

Industrial hygiene :

Change contaminated clothing. Application of skin – protective barrier cream recommended.

Wash hands after working with substance.

9. Physical and Chemical Properties

Appearance :

Liquid, milky, weak

Viscosity kinematic :

(20 °C) - mm²/sec

Melting & Boiling temperature :

< -10 °C, > 200 °C

Clearing point :

75.5 °C

Density :

About 1g/cm³

Solubility in

Water : (20 °C) almost insoluble

Dichloromethane : (20 °C) freely soluble

10. Stability and Reactivity

Conditions to be avoided :

Not known to date

Substances to be avoided :

Not known to date

Hazardous decomposition products :

Not known to date

11. Toxicological Information

Acute toxicity :

Quantitative data on the toxicity of this product are not available.

The individual substances and their homologous compounds as far as investigated have shown a LD50-value(oral,rat) greater than 2000mg/kg

Further data :

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

12. Ecological Information

Ecotoxic effects :

Quantitative data on the ecological effect of this product are not available.

Further ecological data :

Do not allow to enter drinking water supplies, waste water, or soil!

13. Disposal Considerations

Product

We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Packaging

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. Transport Information

Not subject to transport regulations.

15. Regulatory Information

None

16. Other Information

Supplier's information:

LG Display Co., Ltd.

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