

Quanta Display

Material Safety Data Sheet for
Liquid Crystal (MJ012296)
of TFT LCD
Model No.: QD17EL07 Rev.01
(Ref. No. QD17EL0701)

To: **Quanta Display Inc**

Date: April 3, 2002

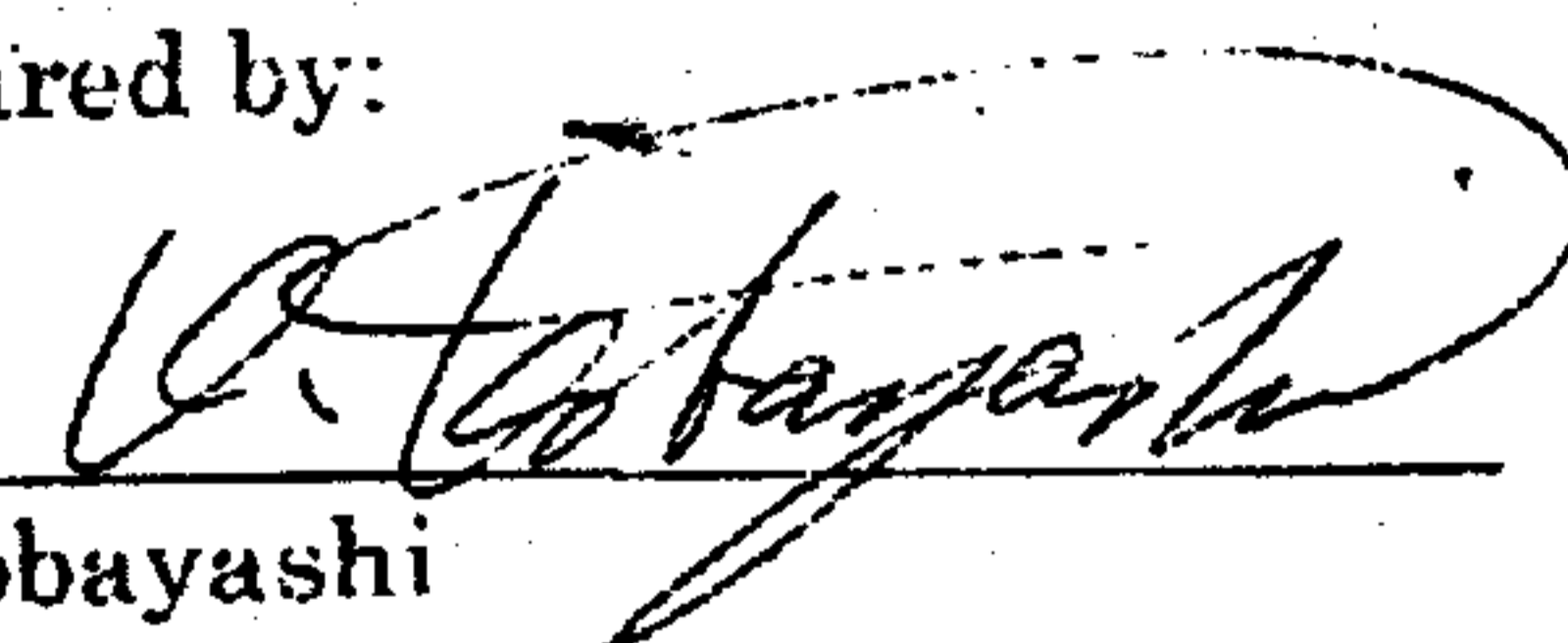
Ref. No. 2002-87

Material Safety Data Sheet

Product name: MJ012296(YS012)


MERCK JAPAN LIMITED

Prepared by:



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Approved by:



T. Geelhaar

Safety data sheet

MJ012296(YS012)

According to EC Directive 91/155/EEC

Date of print: April 3, 2002 Ref.No. 2002-87

1. Identification of the substance / preparation and of the company / undertaking

Identification of the product

Product name: MJ012296(YS012)

Manufacture / supplier identification

Company Merck Japan Limited
4084 Nakatsu, Aikawa-machi, Aikou-gun,
Kanagawa Prefecture

Contact for information: K.Kobayashi, Atsugi Technical center, LC Division
Tel: 046(286)8589 Fax:046(286)2504

2. Composition / information on ingredients

Mixture of liquid crystals

3. Hazards identification

The tests 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.

Other information: Contain escaping vapours with water.

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: +15 to +25°C).

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8. Exposure controls / personal protection

personal protective equipment:

Respiratory protection: required when vapours / aerosols are generated.

Eye protection: required

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

Form: liquid

Colour: milky

Odour: weak

pH value not available

Viscosity kinematic (20°C) 16 mm²/sec

Melting temperature < -20°C

Boiling temperature > 200°C

Clearing point 87.0 °C

Ignition temperature not available

Flash point not available

Explosion limits lower not available

upper not available

Density about 1

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

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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 2000 mg/kg.

Further toxicological information

Mutagenic Effects : Ames test : Negative

Property that must be anticipated on the basis from the components of the preparation:

After skin contact: No irritation.

After eye contact: No irritation.

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.

Date of issue: 06.04.95 Supersedes edition of ...

*The information contained herein is based on the present state of our knowledge.
It characterizes the product with regard to the appropriate safety precautions.
It does not represent a guarantee of the properties of the product.*