



# MATERIAL SAFETY DATA SHEET

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** TFT-LCD Module without B/L unit

**MANUFACTURER:** AU Optronics Corporation

**PRODUCT CODE:** 97.15G48.000

**Address:** No. 1, Li-Hsin Rd. 2, Science-Based Industrial Park, Hsinchu 300, Taiwan

**Tel:** +886-3-500-8800

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## SECTION 2. COMPOSITION, INFORMATION ON INGREDIENTS

Major components : glass, color filter, polarizer

Hazard substance in component:

| Hazard substance | CAS NO    | Percentage (%)                            |
|------------------|-----------|-------------------------------------------|
| Pb               | 7439-92-1 | <100 ppm<br>(Apply to EU RoHS Directive.) |

## SECTION 3. HAZARD IDENTIFICATION

### EMERGENCY OVERVIEW:

This is a non-combustible, non-reactive solid product. If this product is broken, the dust or powder may be irritating to the eyes, skin, respiratory system or gastrointestinal tract.

### POTENTIAL HEALTH EFFECTS:

|               |                                                                                                                                                |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| SKIN CONTACT: | If this product is broken, the dust or powder may irritate the skin.<br>Lead: irritant.                                                        |
| EYE CONTACT:  | If this product is broken, the dust or powder may irritate eye tissue.                                                                         |
| INGESTION:    | The dust or powder may cause temporary irritation of the throat, stomach, and gastrointestinal tract.<br>Lead: harmful.                        |
| INHALATION:   | If this product is broken, the dust or powder may cause irritation of the nose, throat, and respiratory tract.<br>Lead: irritant, and harmful. |

## SECTION 4. FIRST AID MEASURES

|               |                                                                                                                           |
|---------------|---------------------------------------------------------------------------------------------------------------------------|
| SKIN CONTACT: | Wash with soap or mild detergent and large amounts of water for at least 15-20 minutes. Get medical attention, if needed. |
| EYE CONTACT:  | Immediately flush with water for at least 15 minutes. Seek prompt medical attention.                                      |
| INGESTION:    | Induce vomiting immediately. Get medical attention.                                                                       |
| INHALATION:   | Remove to fresh air and seek medical treatment.                                                                           |

## SECTION 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** dry chemical powder, carbon dioxide, or appropriate foam.

**UNUSUAL FIRE AND EXPLOSIONS HAZARDS:** emits toxic fumes under fire conditions.

**SPECIAL FIREFIGHTING PROCEDURES:** wear self-contained breathing apparatus (SCBA) and complete personal protective equipments when in potential exposure to vapors or combustion products.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Not applicable.

## SECTION 7. HANDLING AND STORAGE

Comply with all applicable regulations for the storage and handling of the product.  
Store away from heat, ignition sources and incompatible materials.

## **SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTION**

**EXPOSURE LIMIT:** Not application.

**OCCUPATIONAL EXPOSURE LIMIT:** Not application.

**ENGINEERING CONTROLS:**

Ventilation: use appropriate local exhaust ventilation and ensure compliance with applicable exposure limits.

**PERSONAL PROTECTIVE EQUIPMENT:**

INHALATION PROTECTION : not normally needed.

EYE AND FACE PROTECTION : safety goggles.

PROTECTIVE GLOVES : wear appropriate resistant gloves.

PROTECTIVE CLOTHING : wear appropriate resistant clothes.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: solid

## **SECTION 10. STABILITY AND REACTIVITY**

**STABILITY:** stable.

**CONDITIONS TO AVOID:** practically incompatible.

**INCOMPATIBILITIES:** practically incompatible.

**HAZARDOUS DECOMPOSITION:** thermal decomposition products: miscellaneous decomposition products

**POLYMERIZATION:** will not occur.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

## **Lead**

### **ACUTE EFFECTS:**

- Anemia.
- May cause skin irritation.
- May be harmful if absorbed through the skin.
- Causes eye irritation.
- Harmful if inhaled.
- Material is irritating to mucous membranes and upper respiratory tract.
- Harmful if swallowed.
- May cause nervous system disturbances.

### **CHRONIC EFFECTS**

May cause reproductive disorders.

Target organ(s):

Nerves, blood, kidneys, female reproductive system, male reproductive system, this product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP or EPA classification.

Target organ data:

Peripheral nerve and sensation (flaccid paralysis without anesthesia).

Behavioral (hallucinations, distorted perceptions).

Behavioral (muscle weakness).

Gastrointestinal (gastritis).

Liver (other changes).

Effects on fertility (other measures of fertility).

Effects on embryo or fetus (fetotoxicity).

Effects on embryo or fetus (fetal death).

Specific developmental abnormalities (blood and lymphatic systems).

Effects on newborn (growth statistics).

Effects on newborn (biochemical and metabolic).

Effects on newborn (behavioral).

Only selected registry of toxic effects of chemical substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

## **SECTION 12. ECOLOGICAL INFORMATION**

No data.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

Review federal and local government requirements prior to disposal.

## **SECTION 14. TRANSPORT INFORMATION**

No data.

## **SECTION 15. REGULATORY INFORMATION**

No data.

## **SECTION 16. OTHER INFORMATION**

Made By: Risk & ESH Management Div.

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The information is for reference only, and it's not warranted.