



Safety Data Sheet

Luminescence Technology Corp.

Revision Date: 10/25/2019

Section 1. Chemical Identification

Chemical Name: Tris(phenylpyrazole)iridium

Product No: LT-N002

Section 2. Hazards Identification



Exposure – might cause irritation to eyes, skin, mucous membranes, and upper respiratory system.

Section 3. Composition/Information on Ingredients

Formula: $C_{27}H_{21}N_6Ir$

CAS No.: 562824-31-1

Purity: Sublimed, > 99%

Section 4. First Aid Measures

Eyes or skin – Flush with a large amounts of water for at least 15 minutes.

Inhalation – Remove from exposure to fresh air immediately.

If not breathing, give artificial respiration.

Ingestion – Wash out mouth with water. When provided person is conscious, call a physician.

Section 5. Firefighting Measures

This material is non-combustible. Use extinguishing media appropriately to the surrounding fire conditions.

Extinguishing Media: CO_2 , water spray or dry chemical powder.

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus when fighting a fire.

Unusual Fire and Explosion Hazards: Might emit toxic gases upon thermal decomposition.

Section 6. Accidental Release Measures

Wear respirator, protective glasses and rubber gloves. Sweep up material and place in a bag. Avoid generating dust. Material pick-up under ventilated area. Waste disposal method complies with state or local regulations.

Section 7. Handling and Storage

Store in sealed brown bottle in a dry location. Keep tightly closed. Keep away from oxidizers and dust.

Section 8. Exposure Controls and Personal Protection

Wear respirator, chemical-resistant gloves, safety glasses and appropriate protective clothing. Operation under mechanical hood is required. Avoid skin, eyes contact, and inhalation. Take out gloves and wash thoroughly after handling and take a safety shower and eye bath.

Section 9. Physical and Chemical Properties

Appearance: Pale yellow solid

Melting point(DSC): -

Section 10. Stability and Reactivity

Incompatibilities: Oxidizing Agents.

Hazardous Decomposition Products: N/A

Hazardous Polymerization: N/A

Section 11. Toxicological Information

The toxicological properties have not been thoroughly investigated. The respiratory tract, skin, and eyes may be harmful by inhalation, ingestion, eyes or skin contact.

65181-08-4 Overexposure may cause irritation to eyes and skin.

Sublimed, >99.5%

Section 12. Ecological Information

No data available.

Section 13. Disposal Considerations

The material can be dissolved with a combustible solvent and the mixture can be burned in a chemical incinerator.

The Waste Disposal Method: Comply with federal, state and local regulations.

Section 14. Transport Information

This substance is considered to be non-hazardous for air transport.

Section 15. Regulatory Information

IARC Cancer Review: Animal Inadequate Evidence, IMEMDT 32,411,1983

IARC Cancer Review: Human No Adequate Data, IMEMDT 32,411,1983

IARC Cancer Review: Group 3 IMSUDL 7,56,1987

NOHS 1974: HZD T1325;NIS1;TNF11;NOS1;TNE32.

NOES 1983: HZD T1325;NIS1;TNF3;NOS3;TNE253;FE34.

EPA Genetox Program 1988, Negative: Host-Mediated Assay, In Vivo SCE-Nonhuman.

EPA TSCA Section 8(B) Chemical Inventory.

EPA TSCA Section 8(D) Unpublished Health/Safety Studies.

Section 16. Other Information

All information is used only as a guide. In case of contact with skin, eyes and respiratory tract resulting from handling procedure, Luminescence technology corp. shall not be in charge of any damage.

LUMINESCENCE TECHNOLOGY CORP.

2F, No. 17, R&D Road II, Science-Based Industrial Park, Hsin-Chu 30076, Taiwan, R.O.C.

<http://www.lumtec.com.tw>