



# MATERIAL SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product Details

Product Name	Fir6
Synonyms	Iridium (III) bis(4',6'-difluorophenylpyridinato)tetrakis(1-pyrazolyl)borate
Chemical Name	Bis(2,4-difluorophenylpyridinato)-tetrakis(1-pyrazolyl)borate iridium(III)
Chemical Formula	C <sub>34</sub> H <sub>24</sub> N <sub>10</sub> BF <sub>4</sub> Ir
Product Code	M2126
CAS No.	664374-03-2
EC No.	Not applicable
REACH No.	A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a registration.

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals

### 1.3. Supplier details

Company Identification : Ossila Limited  
Address of Supplier : Solpro Business Park  
Windsor Street, Sheffield  
Postal Code : S4 7WB, UK  
Telephone : 0114 2999 180  
Email address : info@ossila.com

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

### 2.2. Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

### 2.3. Other hazards

None.

## 3. Composition/Information on ingredients

### 3.1. Substances

No components need to be disclosed according to the applicable regulations.

## 4. First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove person to fresh air. If not breathing, give person artificial respiration.
<b>Skin contact</b>	Wash with soap and water.
<b>Eye contact</b>	Flush with copious amounts of water as a precaution.
<b>Ingestion</b>	Rinse out mouth with water.

### 4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 11.

### 4.3. Indication of any immediate medical attention and special treatment needed

No data available.

## 5. Fire fighting

### 5.1. Extinguishing media

**Suitable extinguishing media:** As appropriate for surrounding fire.

### 5.2. Special hazards arising from the substance or mixture

May decompose in a fire, giving off toxic and irritant vapours.

### 5.3. Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment (section 8). Avoid dust formation. Ensure room is well ventilated.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Containment and cleaning

Contain and clean up spill if safe to do so using an electrically protected vacuum cleaner or by wet-brushing. Dispose of dry waste in closed container for proper disposal according to local regulations.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Avoid formation of dust and aerosols. Provide exhaust ventilation in places where dust is formed.

## 7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry and well-ventilated place inside of a tightly sealed container. Reseal containers that have been opened and keep upright to prevent leakage.

**Storage temperature** Ambient

**Storage life** Stable under normal conditions.

## 7.3. Specific end uses

Use in laboratories.

## 8. Exposure controls / Personal protection

### 8.1. Control parameters

#### 8.1.1 Occupational Exposure Limits

Contains no substances with occupational exposure limit values.

### 8.2. Exposure controls

#### 8.2.1 Engineering measures

Handle in accordance with good industrial engineering/laboratory practices for hygiene and safety. Ensure eyewash stations and safety showers are close to the laboratory workstation. Ensure good general ventilation is present when handling the product.

#### 8.2.2 Personal protective equipment

**Eye Protection** Wear safety glasses with side-shields conforming to appropriate government standards such as NOISH (US) or EN166 (EU).

**Skin Protection** Wear protective clothing and gloves. Use gloves that satisfy the specifications of your national standards (e.g. EN 374). Wash hands after handling. Wash contaminated clothing after use.

**Respirators:** Where protection from nuisance dusts is needed, use type N95 (US) or type P1 (EN 143) dust masks or those approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### 8.2.3 Environmental Exposure Controls

Avoid release to the environment.

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	Yellow powder/crystals
Odour	No data available
Odour threshold	No data available
pH	No data available
Melting/freezing point	>280 °C (TGA, 0.5% weight loss)
Boiling point/range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability	No data available
Explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Solubility(ies)	No data available

Partition coefficient: <i>n</i> -octanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

## 9.2. Other safety information

No data available.

## 10. Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal temperatures and pressures under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

No data available.

### 10.5. Incompatible materials

Strong oxidising agents.

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## 11. Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

No data available.

#### Skin corrosion/irritation

No data available.

#### Serious eye damage/irritation

No data available.

#### Respiratory sensitisation

No data available.

#### Skin sensitisation

No data available.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

No data available.

#### Reproductive toxicity

No data available.

**STOT - single exposure**

No data available.

**STOT - repeated exposure**

No data available.

**Aspiration hazard**

No data available.

**Routes of exposure**

Eye contact, ingestion, inhalation, skin contact.

**Signs and Symptoms of Exposure**

No data available.

**11.2 Other information**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**12. Ecological information****12.1. Toxicity**

No data available.

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**12.6. Other adverse effects**

No data available.

**13. Disposal****13.1. Waste treatment methods****Product**

Burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations and directives on waste and hazardous waste. Offer surplus material to a licensed professional waste disposal professional.

**Contaminated packaging**

Dispose of as unused product.

**14. Transport**

Non-hazardous for road, air and sea transport.

**IATA:** Not regulated as a hazardous material.

**IMO:** Not regulated as a hazardous material.

**RID/ADR:** Not regulated as a hazardous material.

## 15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006, the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available.

### 15.2 Chemical safety assessment

No chemical safety report/assessment was carried out for this product.

## 16. Other information

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