

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

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**
**1.1 Product identifier**

Product Name POSTF  
 Synonyms Diphenyl(10-phenyl-10H-spiro[acridine-9,9'-fluorene]-2'-yl)phosphine oxide  
 Chemical Name 2'-(Diphenylphosphoryl)-10-phenyl-10H-spiro[acridine-9,9'-fluorene]  
 Chemical Formula C43H30NOP  
 CAS No. 1647050-25-6  
 EC No. Not available.  
 REACH Registration No. Not applicable.

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

Identified Use(s) PC21 Laboratory chemicals

**1.3 Details of the supplier of the safety data sheet**

Company Identification Ossila Limited  
 Address of Supplier Solpro Business Park  
 Windsor Street  
 Sheffield  
 Postal code S4 7WB, UK  
 Telephone: +441142999180  
 E-mail info@ossila.com  
 Office hours 08:00 - 17:00

**SECTION 2: HAZARDS IDENTIFICATION**
**2.1 Classification of the substance or mixture**

Regulation (EC) No. 1272/2008 (CLP) Skin Irrit. 2: Causes skin irritation  
 Eye Irrit. 2A: Causes serious eye irritation

**2.2 Label elements**

According to Regulation (EC) No. 1272/2008 (CLP)  
 Product Name POSTF

**Hazard Pictogram(s)**


GHS07

Signal Word(s) Warning

Hazard Statement(s) H315: Causes skin irritation  
 H319: Causes serious eye irritation

Precautionary Statement(s) P302 + P352: IF ON SKIN: Wash with plenty of water.  
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313: If eye irritation persists: Get medical advice/attention.

**2.3 Other hazards**

None known.

**2.4 Additional Information**

Not applicable.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**
**3.1 Substances**

| HAZARDOUS INGREDIENT(S)   | CAS No.      | %W/W   | Hazard Statement(s)                      |
|---|--------------|--------|--|
| 2'-(Diphenylphosphoryl)-10-phenyl-10H-spiro[acridine-9,9'-fluorene] | 1647050-25-6 | <= 100 | Skin Irrit. 2 H315<br>Eye Irrit. 2A H319 |

**3.2 Mixtures**

Not applicable.

**SECTION 4: FIRST AID MEASURES**
**4.1 Description of first aid measures**

Inhalation Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact Rinse skin with water. If skin irritation occurs, get medical advice/attention.  
 Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Ingestion Rinse out mouth with water. Get medical advice/attention if you feel unwell.  
**4.2 Most important symptoms and effects, both acute and delayed**  
 SECTION 11: Most important symptoms and effects, both acute and delayed  
**4.3 Indication of any immediate medical attention and special treatment needed**  
 Treat symptomatically.

**SECTION 5: FIREFIGHTING MEASURES**

**5.1 Extinguishing media**  
 Suitable Extinguishing media As appropriate for surrounding fire.  
 Unsuitable 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.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**  
 Provide adequate ventilation. Wear protective clothing as per section 8.  
**6.2 Environmental precautions**  
 Avoid release to the environment.  
**6.3 Methods and material for containment and cleaning up**  
 Sweep up spilled substance but avoid making dust. Use vacuum equipment for collecting spilt materials, where practicable. Dispose of contents in accordance with local, state or national legislation.  
**6.4 Reference to other sections**  
 See Also Section 8, 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**  
 Avoid breathing vapours/mist/dust/aerosols. Use only in a well-ventilated area. Wear protective clothing as per section 8. Wash hands thoroughly after handling.  
**7.2 Conditions for safe storage, including any incompatibilities**  
 Store in a well-ventilated place. Keep container tightly closed.  
 Storage temperature Ambient.  
 Storage life Stable under normal conditions.  
 Incompatible materials None known.  
**7.3 Specific end use(s)**  
 Not known. See Section: 1.2.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**  
 8.1.1 Occupational Exposure Limits  
 No Occupational Exposure Limit assigned.

Occupational Exposure Limits

| SUBSTANCE. | CAS No. | LTEL (8 hr TWA ppm) | LTEL (8 hr TWA mg/m <sup>3</sup> ) | STEL (ppm) | STEL (mg/m <sup>3</sup> ) | Note |
|------------|---------|---------------------|------------------------------------|------------|---------------------------|------|
|            |         |                     |                                    |            |                           |      |

Region Source  
 EU EU Occupational Exposure Limits  
 United Kingdom UK Workplace Exposure Limits EH40/2005 (Third edition, published 2018)

**8.2 Exposure controls**  
 8.2.1. Appropriate engineering controls Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.  
 8.2.2. Personal protection equipment  
 Eye Protection Wear eye protection with side protection (EN166).





Skin protection      Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection      A suitable mask with filter type A (EN14387 or EN405) may be appropriate.



Thermal hazards      None known.

8.2.3. Environmental Exposure Controls      Avoid release to the environment.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**


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**9.1 Information on basic physical and chemical properties**

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|--|--|
| Appearance                                   | Solid: Powder.<br>Colour: White.                                 |
| Odour  | Not known.   |
| Odour threshold                              | Not known.   |
| pH   | Not known.   |
| Melting point/freezing point                 | Tg = 160 °C, Td (Temperature at 5% weight loss) = 356 °C         |
| Initial boiling point and boiling range      | Not known.   |
| Flash Point                                  | Not known.   |
| Evaporation rate                             | Not known.   |
| Flammability (solid, gas)                    | Not known.   |
| Upper/lower flammability or explosive limits | Not known.   |
| Vapour pressure                              | Not known.   |
| Vapour density                               | Not known.   |
| Density (g/ml)                               | Not known.   |
| Relative density                             | Not known.   |
| Solubility(ies)                              | Solubility (Water): Not known.<br>Solubility (Other): Not known. |
| Partition coefficient: n-octanol/water       | Not known.   |
| Auto-ignition temperature                    | Not known.   |
| Decomposition Temperature (°C)               | Not known.   |
| Viscosity                                    | Not known.   |
| Explosive properties                         | Not known.   |
| Oxidising properties                         | Not known.   |

**9.2 Other information**

None.

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**SECTION 10: STABILITY AND REACTIVITY**


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**10.1 Reactivity**

None anticipated.

**10.2 Chemical Stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Not known.

**10.4 Conditions to avoid**

Not known.

**10.5 Incompatible materials**

Not known.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

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**SECTION 11: TOXICOLOGICAL INFORMATION**


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**11.1 Information on toxicological effects**

|                                |                    |
|--------------------------------|--------------------|
| Acute toxicity - Ingestion     | No data available. |
| Acute toxicity - Skin Contact  | No data available. |
| Acute toxicity - Inhalation    | No data available. |
| Skin corrosion/irritation      | No data available. |
| Serious eye damage/irritation  | No data available. |
| Skin sensitization data        | No data available. |
| Respiratory sensitization data | No data available. |

|                               |                    |
|-------------------------------|--------------------|
| Germ cell mutagenicity        | No data available. |
| Carcinogenicity               | No data available. |
| Reproductive toxicity         | No data available. |
| Lactation                     | No data available. |
| STOT - single exposure        | No data available. |
| STOT - repeated exposure      | No data available. |
| Aspiration hazard             | No data available. |
| <b>11.2 Other information</b> | Not known.         |

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**SECTION 12: ECOLOGICAL INFORMATION**

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|--|--------------------|
| <b>12.1 Toxicity</b>                           | No data available. |
| Toxicity - Aquatic invertebrates               | No data available. |
| Toxicity - Fish                                | No data available. |
| Toxicity - Algae                               | No data available. |
| Toxicity - Sediment Compartment                | Not classified.    |
| Toxicity - Terrestrial Compartment             | Not classified.    |
| <b>12.2 Persistence and Degradation</b>        | Not known.         |
| <b>12.3 Bioaccumulative potential</b>          | Not known.         |
| <b>12.4 Mobility in soil</b>                   | Not known.         |
| <b>12.5 Results of PBT and vPvB assessment</b> | Not known.         |
| <b>12.6 Other adverse effects</b>              | Not known.         |

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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|-------------------------------------|---|
| <b>13.1 Waste treatment methods</b> | Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimer or incinerator. |
| <b>13.2 Additional Information</b>  | Disposal should be in accordance with local, state or national legislation.   |

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**SECTION 14: TRANSPORT INFORMATION**

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| IATA/IMO/RID/ADR | Not classified as hazardous for transport. |
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**SECTION 15: REGULATORY INFORMATION**

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation

REACH: ANNEX XIV list of substances subject to authorisation

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Community Rolling Action Plan (CoRAP) Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals

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**SECTION 16: OTHER INFORMATION**

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The following sections contain revisions or new statements:

**LEGEND**

## Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road  
CAS : Chemical Abstracts Service  
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  
DNEL : Derived No Effect Level  
EC : European Community  
EINECS : European Inventory of Existing Commercial Chemical Substances  
IATA : International Air Transport Association  
IBC : Intermediate Bulk Container  
ICAO : International Civil Aviation Organization  
IMDG : International Maritime Dangerous Goods  
LTEL : Long term exposure limit  
PBT : Persistent, Bioaccumulative and Toxic  
PNEC : Predicted No Effect Concentration  
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail  
STEL : Short term exposure limit  
STOT : Specific Target Organ Toxicity  
UN : United Nations  
vPvB : very Persistent and very Bioaccumulative

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