

Safety Data Sheet

Astro PFP FR Graphite

Revision 1 - 25th January 2023



Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Astro PFP FR Graphite
Product code : AFPPGRAPH

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

Use of substance / mixture : PC1: Adhesives, sealants.

1.3. Details of the supplier of the safety data sheet

Company name : Astroflame (Fireseals) LTD
Unit 8 , I.O Centre
Stephenson Road
Segensworth
Fareham
PO15 5RU
United Kingdom
Tel : 01329 844 500
Email : sales@astroflame.com

1.4. Emergency telephone number

Emergency tel : (0) 44 1329 844500 During office hours 08:00 - 17:30

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP : This product has no classification under CLP.

2.2. Label elements

Label elements :
Precautionary statements : P102: Keep out of reach of children.
P302+P350: IF ON SKIN: Gently wash with plenty of soap and 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.

2.3. Other hazards

Other hazards : No data available.

Section 3: Composition/information on ingredients

3.2. Mixtures

*** Hazardous ingredients:**

PHENOL ISOPROPYLATED PHOSPHATE (3:1) TRIPHENYL PHOSPHATE>5% - REACH registered number(s): 01-2119535109-41-0000

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|-----------|------------|-----------|--|---------|
| 273-066-3 | 68937-41-7 | - | Repr. 2: H361f; STOT RE 2: H373; Aquatic Chronic 1: H410; Repr. 2: H361d | <2% |

Section 4: First aid measures

4.1. Description of first aid measures

| | | |
|--------------|---|--|
| Skin contact | : | Wash immediately with plenty of soap and water. |
| Eye contact | : | Bathe the eye with running water for 15 minutes. |
| Ingestion | : | Wash out mouth with water. |
| Inhalation | : | Not applicable. |

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

| | | |
|-----------------------------|---|--|
| Skin contact | : | There may be mild irritation at the site of contact. |
| Eye contact | : | There may be irritation and redness. |
| Ingestion | : | There may be irritation of the throat. |
| Inhalation | : | No data available. |
| Delayed / immediate effects | : | No data available. |

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

| | | |
|-------------------------------|---|-----------------|
| Immediate / special treatment | : | Not applicable. |
|-------------------------------|---|-----------------|

Section 5: Fire-fighting measures

5.1. Extinguishing media

| | | |
|---------------------|---|---|
| Extinguishing media | : | Suitable extinguishing media for the surrounding fire should be used. |
|---------------------|---|---|

5.2. Special hazards arising from the substance or mixture

| | | |
|------------------|---|----------------------------------|
| Exposure hazards | : | In combustion emits toxic fumes. |
|------------------|---|----------------------------------|

5.3. Advice for fire-fighters

| | | |
|--------------------------|---|--|
| Advice for fire-fighters | : | Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. |
|--------------------------|---|--|

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions : Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures : Absorb into dry earth or sand. Collect mechanically for disposal.

6.4. Reference to other sections

Reference to other sections : Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements : Ensure there is sufficient ventilation of the area.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a cool, well ventilated area.

Suitable packaging : Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s) : No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits : No data available.

DNEL/PNEC Values

Hazardous ingredients :
PHENOL ISOPROPYLATED PHOSPHATE (3:1) TRIPHENYL PHOSPHATE>5%

| Type | Exposure | Value | Population | Effect |
|------|----------------------------|------------------------|--------------------|----------|
| DNEL | Inhalation (repeated dose) | 0.145mg/m ³ | Workers | Systemic |
| DNEL | Inhalation | 700mg/m ³ | Workers | Systemic |
| DNEL | Dermal | 16mg/cm ² | Workers | Local |
| DNEL | Dermal (repeated dose) | 0.417mg/kg | Workers | Systemic |
| DNEL | Dermal | 2000mg/kg | Workers | Systemic |
| DNEL | Inhalation (repeated dose) | 0.07mg/m ³ | General Population | Systemic |
| DNEL | Inhalation | 350mg/m ³ | General Population | Systemic |
| DNEL | Oral (repeated dose) | 0.04mg/kg | General Population | Systemic |
| DNEL | Dermal | 8mg/cm ² | General Population | Local |

| | | | | |
|------|------------------------------------|--------------|--------------------|----------|
| DNEL | Dermal (repeated dose) | 0.208mg/kg | General Population | Systemic |
| DNEL | Dermal | 100mg/kg | General Population | Systemic |
| PNEC | Fresh water | 0.00031mg/l | - | - |
| PNEC | Marine water | 0.000031mg/l | - | - |
| PNEC | Fresh water sediments | 0.185mg/kg | - | - |
| PNEC | Marine sediments | 0.0185mg/kg | - | - |
| PNEC | Soil (agricultural) | 2.5mg/kg | - | - |
| PNEC | Microorganisms in sewage treatment | 100mg/l | - | - |

8.2. Exposure controls

| | |
|------------------------|--|
| Engineering measures | : Not applicable. |
| Respiratory protection | : Respiratory protection not required. |
| Hand protection | : Gloves are not normally required. |
| Eye protection | : Safety glasses. |
| Skin protection | : Protective clothing. |
| Environmental | : No special requirement. |

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|------------------------------|------------------------|
| State | : Paste |
| Colour | : Dark grey |
| Odour | : Characteristic odour |
| Evaporation rate | : Not applicable. |
| Oxidising | : Not applicable. |
| Solubility in water | : Soluble |
| Viscosity | : Highly viscous |
| Boiling point/range°C | : >100 |
| Flammability limits %: lower | : Not applicable. |
| Autoflammability°C | : Not applicable. |
| Relative density | : 1.5 |
| VOC g/l | : 33 |
| Melting point/range°C | : Not applicable. |
| Flash point°C | : Not applicable. |
| Vapour pressure | : Not applicable. |
| pH | : 8.5 |

9.2. Other information

Other information : Not applicable.

Section 10: Stability and reactivity**10.1. Reactivity**

Reactivity : Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid : No information available

10.5. Incompatible materials

Materials to avoid : Not applicable.

10.6. Hazardous decomposition products

Haz. decomp. products : In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

PHENOL ISOPROPYLATED PHOSPHATE (3:1) TRIPHENYL PHOSPHATE>5%

| | | | | |
|---------|-----|---------|-------|-------|
| DERMAL | RBT | LD50 | 10000 | mg/kg |
| ORAL | RAT | LD50 | 5000 | mg/kg |
| VAPOURS | RAT | 4H LC50 | 200 | mg/l |

Excluded hazards for substance:

| Hazard | Route | Basis |
|--------------------------------|-------|-----------------------|
| Acute toxicity (ac. tox. 4) | - | No hazard: calculated |
| Acute toxicity (ac. tox. 3) | - | No hazard: calculated |
| Acute toxicity (ac. tox. 2) | - | No hazard: calculated |
| Acute toxicity (ac. tox. 1) | - | No hazard: calculated |
| Skin corrosion/irritation | - | No hazard: calculated |
| Serious eye damage/irritation | - | No hazard: calculated |
| Respiratory/skin sensitisation | - | No hazard: calculated |
| Germ cell mutagenicity | - | No hazard: calculated |
| Carcinogenicity | - | No hazard: calculated |
| Reproductive toxicity | - | No hazard: calculated |
| STOT-single exposure | - | No hazard: calculated |
| STOT-repeated exposure | - | No hazard: calculated |
| Aspiration hazard | - | No hazard: calculated |

Symptoms / routes of exposure

| | | |
|-----------------------------|---|--|
| Skin contact | : | There may be mild irritation at the site of contact. |
| Eye contact | : | There may be irritation and redness. |
| Ingestion | : | There may be irritation of the throat. |
| Inhalation | : | No data available. |
| Delayed / immediate effects | : | No data available. |
| Other information | : | Not applicable. |

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients

PHENOL ISOPROPYLATED PHOSPHATE (3:1) TRIPHENYL PHOSPHATE>5%

| | | | |
|-------------------------------------|----------|------|------|
| Daphnia magna | 48H EC50 | 2.44 | mg/l |
| RAINBOW TROUT (Oncorhynchus mykiss) | 96H LC50 | 1.6 | mg/l |

12.2. Persistence and degradability

Persistence and degradability : Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential : No bioaccumulation potential.

12.4. Mobility in soil

Mobility : No data available.

12.5. Results of PBT and vPvB assessment

PBT identification : This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects : Negligible ecotoxicity.

Section 13: Disposal considerations**13.1. Waste treatment methods**

Disposal operations : Transfer to a suitable container and arrange for collection by specialised disposal company.
Recovery operations : Not applicable.
Waste code number : 08 04 10
Disposal of packaging : Dispose of as normal industrial waste.
NB : The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class : This product does not require a classification for transport.

Section 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Specific regulations : Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment : A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

- Other information : according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
* indicates text in the SDS which has changed since the last revision.
- Phrases used in s.2 and s.3 : H361d: Suspected of damaging the unborn child.
H361f: Suspected of damaging fertility.
H373: May cause damage to organs ([kidneys]) through prolonged or repeated exposure ([oral]).
H410: Very toxic to aquatic life with long lasting effects.
- Legal disclaimer : The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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