

Safety Data Sheet

Astro HPE Sealant

UIC of product-type: AFHPE

Revision 4 - October 2018



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

1.1 Product identifier

Product Name : Astro HPE

Product Code : AFHPESG

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 Number : (0) 44 1329 844500

Fax Number : (0) 44 1329 844600

Email : sales@astroflame.com

1.4. Emergency telephone number

Tel Number : (0) 44 1329 844500 During office hours 08:00 - 17:30

Section 2: Classification of the substance or mixture

2.1. Classification of the substance or mixture

Classification under CLP : Aquatic Chronic 3: H412; Eye Irrit. 2: H319

Most important adverse effects : Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label Elements :
Hazard statements : H319: Causes serious eye irritation.
H412: Harmful to aquatic life with long lasting effects.
Hazard pictograms : GHS07: Exclamation mark



Signal words : Warning
Precautionary statements: P264: Wash hands thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection

2.2. Label elements (continued)

Precautionary statements: : 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.
 P501: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients : IMPROCEL

CARBON CRYSTALLINE GRAPHITE, INTERCALATED - REACH registered number(s): 01-2119514421-54				
EINECS	CAS	PBT/WEL	CLP Classification	Percent
-	7782-42-5	Substance with a Community workplace exposure limit.	-	10-30%
ATH				
244-492-7	21645-51-2	Substance with a Community workplace exposure limit.	-	10-30%
CELLULOSE FIBRE				
-	-	Substance with a Community workplace exposure limit.	-	1-10%
ALKYLPHENOL POLYPROPYLENEGLYCOLEETHER				
-	9064-15-7	-	Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 2: H411	1-10%

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. Transfer to hospital for specialist examination.
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 irritation and redness at the site of contact.
Eye contact : There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.
Ingestion : There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
Inhalation : There may be irritation of the throat with a feeling of tightness in the chest.
Delayed / immediate effects : Delayed effects can be expected after long-term exposure.

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. Use water spray to cool containers.

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 : Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions : Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and materials for containment and cleaning up

Clean-up procedures : Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections : Refer to section 8 of SDS

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements : Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.
Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging : Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s) : No data available

Section 8: Control parameters/personal protection

8.1. Control parameters

Hazardous ingredients				
CARBON CRYSTALLINE GRAPHITE, INTERCALATED				
Workplace exposure limits:			Respirable dust	
State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	-	-	4 mg/m3	-
ATH				
UK	-	-	4 mg/m3	-
CELLULOSE FIBRE				
UK	-	-	4 mg	-

8.1. DNEL/PNEC

DNEL/PNEC : No data available

8.2. Exposure controls

- Engineering measures** : Ensure there is sufficient ventilation of the area.
- Respiratory protection** : Self-contained breathing apparatus must be available in case of emergency.
- Hand protection** : Protective gloves.
- Eye protection** : Tightly fitting safety goggles. Ensure eye bath is to hand.
- Skin protection** : Protective clothing.

9: Information on basic physical and chemical properties

9.1. Information on basic physical and chemical properties

- State** : Paste
- Colour** : Grey
- Relative density** : 1.3 - 1.4
- pH** : 5 - 9

9.2. Other information

Other information : No data available

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 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 : Heat

10.5. Incompatible materials

Materials to avoid : Strong oxidising agents. Strong acids

10.6. Hazardous Decomposition Products

Haz. decomp. products : In combustion emits toxic fumes

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:				
ATH				
INAHLATION	RAT	LC50	7.6	mg/l
ORAL	RAT	-	2000	mg/kg

Relevant hazards for product:		
Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms/routes of exposure

- Skin Contact** : There may be irritation and redness at the site of contact.
- Eye contact** : There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.
- Ingestion** : There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
- Inhalation** : There may be irritation of the throat with a feeling of tightness in the chest.
- Delayed / immediate effects** : Delayed effects can be expected after long-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:			
ATH			
ATLANTIC SALMON	96H EC50	100	mg/l
Daphnia magna	48H EC50	100	mg/l
GREEN ALGA (<i>Selenastrum capricornutum</i>)	72H EC50	100	mg/l
SALMO TRUTTA	LC50	100	mg/l

12.2. Persistence and Degradability

Persistence and degradability : Biodergradable

12.3. Bioaccumulative potential

Bioaccumulative potential : No bioaccumulation potential

12.4. Mobility in soil

Mobility : Readily absorbed into soil.

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

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 : H302: Harmful if swallowed.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful 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.