ASTROFLAME
PASSIVE FIRE STOP SYSTEMS

Safety Data Sheet

Astro PFP FR Coating

Revision 5 - 16th June 2025



CE
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According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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

1.1. Product identifier

Product name	:	Astro PFP FR Coating
Product code	:	AFPFPC

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

Relevant identified uses of the substance or mixture	:	Industrial use Restricted to professional users.
Uses advised against	:	None known.

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

Contact The National Poisons Information Service (dial 111, 24 h service).
See section 4 “First aid measures”.

Section 2: Hazards identification

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.2. Label elements

Hazard pictogram(s)	:	Not applicable.
Signal word	:	Not applicable.
Hazard statement(s)	:	Not applicable.
Precautionary statements	:	
General	:	-
Prevention	:	-
Response	:	-
Storage	:	-
Disposal	:	-

2.2. Label elements (continued)

Hazardous substances	:	3-iodo-2-propynyl butylcarbamate;3-iodoprop-2-yn-1-yl butylcarbamate
Additional labelling	:	EUH210, Safety data sheet available onrequest.
VOC	:	VOC content: 3 g/L MAXIMUM VOC CONTENT (Phase II, category A/a (WB): 30 g/L)

2.3. Other hazards

Additional warnings	:	This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Section 3: Composition/information on ingredients

3.1. Substances

Substances	:	Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
ethanediol;ethylene glycol	CAS No.: 107-21-1 EC No.: 203-473-3 UK-REACH: Index No.: 603-027-00-1	<1%	Acute Tox. 4, H302 STOT RE 2, H373	[1]
3-iodo-2-propynyl butylcarbamate;3-iodoprop-2-yn-1-yl butylcarbamate	CAS No.: 55406-53-6 EC No.: 259-627-5 UK-REACH: Index No.: 616-212-00-7	<0.1%	Acute Tox. 4, H302 Skin Sens. 1, H317 Eye Dam. 1, H318 Acute Tox. 3, H331 STOT RE 1, H372 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information : [1] European occupational exposure limit.

Section 4: First aid measures

4.1. Description of first aid measures

General information	:	In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.
Inhalation	:	Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.
Skin contact	:	Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.
Eye contact	:	If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.
Ingestion	:	If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.
Burns	:	Not applicable.

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

None known.

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

IF exposed or concerned	:	Get immediate medical advice/attention.
Information to medics	:	Bring this safety data sheet or the label from this product.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media	:	Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist. Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture	:	Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters. If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are: Some metal oxides

5.3. Advice for fire-fighters

Advice for fire-fighters	:	Fire fighters should wear appropriate personal protective equipment.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Remove flammable materials if conditions allow it. Ensure sufficient ventilation. Ensure adequate ventilation, especially in confined areas. Contaminated areas may be slippery.

6.2. Environmental precautions

Environmental precautions	:	Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

Methods and material for containment and cleaning up	:	Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.
See section 8 “Exposure controls/personal protection” for protective measures.

Section 7: Handling and storage

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 “Exposure controls/personal protection” for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material	:	Keep only in original packaging.
Storage temperature	:	5 - 30°C Dry, cool and well ventilated
Incompatible materials	:	Strong acids Strong oxidizing agents

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Control parameters	:	ethanediol;ethylene glycol Long term exposure limit (8 hours) (ppm): 20(vapour) Long term exposure limit (8 hours) (mg/m³): 10(particulate)/52(vapour) Short term exposure limit (15 minutes) (ppm): 40 (vapour) Short term exposure limit (15 minutes) (mg/m³): 104 (vapour) Annotations: Sk = Can be absorbed through the skin and lead to systemic toxicity. The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits (Fourth Edition 2020).
DNEL	:	No data available.
PNEC	:	No data available.

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations	:	Smoking, drinking and consumption of food is not allowed in the work area.
Exposure scenarios	:	There are no exposure scenarios implemented for this product.
Exposure limits	:	Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.
Appropriate technical measures	:	The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Apply standard precautions during use of the product. Avoid inhalation of vapours.
Hygiene measures	:	In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.
Measures to avoid environmental exposure	:	No specific requirements.

Individual protection measures, such as personal protective equipment

Generally	:	Wash contaminated clothing before reuse. Take off contaminated clothing and wash it before reuse. Use only UKCA marked protective equipment.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn.	-	-	

Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
No special when used as intended	-	-	-	
Butyl	0,3	> 30	EN374-2, EN374-3, EN388	
Nitrile	0.1	-	EN374-2, EN388	

Eye protection:

Type	Standards	
Safety glasses	EN166	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	:	Liquid
Colour	:	Various colours
Odour / Odour threshold	:	Characteristic
pH	:	8.0
Density (g/cm³)	:	1.35 (20 °C)
Kinematic viscosity	:	14000 centistokes (20 °C)
Particle characteristics	:	Not applicable
Phase changes		
Melting point/Freezing point (°C)	:	Not applicable
Softening point/range (waxes and pastes) (°C)	:	Does not apply to liquids.
Boiling point (°C)	:	100
Vapour pressure	:	Not applicable
Relative vapour density	:	Not applicable
Decomposition temperature (°C)	:	>200
Data on fire and explosion hazards		
Flash point (°C)	:	Not applicable
Flammability (°C)	:	The material is not combustible.
Auto-ignition temperature (°C)	:	Not applicable
Lower and upper explosion limit (% v/v)	:	Not applicable
Solubility		
Solubility in water	:	Completely soluble
n-octanol/water coefficient	:	Testing not relevant or not possible due to the nature of the product.
Solubility in fat (g/L)	:	Not applicable

9.2. Other information

Dust explosion class	:	St0 (No explosion)
Evaporation rate (n-butylacetate = 100)	:	Not applicable
VOC (g/L)	:	3
Other physical and chemical parameters	:	No data available.
Oxidizing properties	:	Not applicable

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity	:	No data available.

10.2. Chemical stability

Chemical stability	:	The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions

Hazardous reactions	:	None known.

10.4. Conditions to avoid

Conditions to avoid	:	None known.

10.5. Incompatible materials

Incompatible materials	:	Strong acids Strong oxidizing agents

10.6. Hazardous decomposition products

Haz. decomp. products	:	The product is not degraded when used as specified in section 1.

Section 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	:	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	:	Based on available data, the classification criteria are not met.
Respiratory sensitisation	:	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitisation	:	May cause an allergic skin reaction.
Germ cell mutagenicity	:	Based on available data, the classification criteria are not met.
Carcinogenicity	:	Based on available data, the classification criteria are not met.
Reproductive toxicity	:	Based on available data, the classification criteria are not met.
STOT-single exposure	:	Based on available data, the classification criteria are not met.
STOT-repeated exposure	:	Based on available data, the classification criteria are not met.
Aspiration hazard	:	Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects	:	None known.
Endocrine disrupting properties	:	Not applicable.
Other information	:	None known.

Section 12: Ecological information

12.1. Toxicity

Toxicity	:	Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

Persistence and degradability	:	No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential	:	No data available.

12.4. Mobility in soil

Mobility	:	No data available.

12.5. Results of PBT and vPvB assessment

PBT identification	:	This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Endocrine disrupting properties

Endocrine disrupting properties	:	Not applicable.

12.7. Other adverse effects

Other adverse effects	:	This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms. This product contains substances, which may cause adverse long-term effects to the aquatic environment.

Section 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	:	Product is not covered by regulations on dangerous waste. Refer to manufacturer or supplier for information on recovery or recycling. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
EWC code	:	08 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
Contaminated packing	:	Packaging containing residues of the product must be disposed of similarly to the product.

Section 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group
** Environmental hazards

Additional information : Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Special precautions for user : Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

Maritime transport in bulk according to IMO instruments : No data available.

Section 15: Regulatory information

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

Restrictions for application : Restricted to professional users. People under the age of 18 shall not be exposed to this product.

Demands for specific education : No specific requirements.

SEVESO - Categories / dangerous substances : Not applicable.

Additional information : Not applicable.

Sources : 2012 No. 1715 ENVIRONMENTAL PROTECTION: The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

Chemical safety assessment : No

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Section 16: Other information

Other information

Full text of H-phrases as mentioned in section 3 :

H302, Harmful if swallowed.
H317, May cause an allergic skin reaction.
H318, Causes serious eye damage.
H331, Toxic if inhaled.
H372, Causes damage to organs through prolonged or repeated exposure.
H373, May cause damage to organs through prolonged or repeated exposure.
H400, Very toxic to aquatic life.
H410, Very toxic to aquatic life with long lasting effects.

Abbreviations and acronyms :

ADN = European Provisions concerning the International Carriage of Dangerous Goods by
Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by
Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as
modified by the Protocol of 1978. (“Marpol” = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Other information (continued)

Abbreviations and acronyms	:	SCL = A specific concentration limit SVHC = Substances of Very High Concern STOT-RE = Specific Target Organ Toxicity - Repeated Exposure STOT-SE = Specific Target Organ Toxicity - Single Exposure TWA = Time weighted average UN = United Nations UVBC = Unknown or variable composition, complex reaction products or of biological materials VOC = Volatile Organic Compound vPvB = Very Persistent and Very Bioaccumulative
Additional information	:	Not applicable.
The safety data sheet is validated by	:	Wol Hluchan
Other	:	A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle. The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products. It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification. Country-language: GB-en

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