

Safety Data Sheet

Astro FR Silicone

Revision 3 - 14th February 2019



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

1.1 Product identifier

Product Name : Astro FR Silicone

Product Code : AFFRSW

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: 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 : P264: Wash hands, forearms and face thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
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

- Other hazards** : The product hydrolyses under formation of methanol (CAS-Nr. 67-56-1). Methanol is classified concerning both physical and health hazards. The hydrolysis rate and consequently the relevance for the hazard profile of the product is strongly dependent on the specific conditions.
- PBT** : This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients :

BIS(ETHYLACETOACETATO) DIISOBUTOXYTITANIUM - REACH registered number(s): 01-2119968551-31				
EINECS	CAS	PBT/WEL	CLP Classification	Percent
281-161-6	83877-91-2	-	Skin Irrit. 2: H315; Eye Dam. 1: H318; STOT SE 3: H335; STOT SE 3: H336; Flam. Liq. 3: H226	10-30%

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** : No symptoms.
- Eye contact** : No symptoms.
- 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.

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

- Immediate/special treatment** : Methanol (CAS 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes. Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma. There may be a delay in the onset of these effects after exposure. Further toxicology information in section 11 must be observed.

Section 5: Fire-Fighting measures

5.1. Extinguishing media

Extinguishing Media : Suitable extinguishing media for the surrounding fire should be used. Water mist
Dry chemical powder. Sand Alcohol resistant foam. Carbon dioxide. Do not use
water jet

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.

7.3. Specific end use(s)

Section 8: Control parameters/personal protection

8.1. Control parameters

Workplace exposure limits : No data available.

DNEL/PNEC

DNEL/PNEC : No data available

8.2. Exposure controls

Engineering measures : Ensure there is sufficient ventilation of the area.

Respiratory protection : Gas/vapour filter, type K: ammonia and derivatives (EN141). Self-contained breathing apparatus must be available in case of emergency.

Hand protection : Protective gloves. Butyl gloves. Breakthrough time of the glove material > 8 hours. Nitrile gloves. Breakthrough time of the glove material < 1 hour.

Eye protection : Tightly fitting safety goggles. Ensure eye bath is to hand. Safety glasses.

Skin protection : Protective clothing.

Environmental : Prevent from entering in public sewers or the immediate environment.

9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State : Paste
Colour : White
Odour : Fruity
Flammability limits %: lower : No data available.
Relative density : 1.5

9.2. Other information

Other information : No data available

Section 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical Stability

Chemical stability : Stable under normal conditions

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid : Heat. Humidity. Flames. Sources of ignition.

10.5. Incompatible materials

Materials to avoid : Strong oxidising agents. Strong acids. Water. Reaction causes the formation of: methanol

10.6. Hazardous Decomposition Products

Haz. decomp. products : In combustion emits toxic fumes. By hydrolysis: methanol Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:				
Route	Species	Test	Value	Units
ORAL	RAT	LD50	2000	mg/kg

Symptoms/routes of exposure

- Skin Contact** : No symptoms.
- Eye contact** : No symptoms.
- 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.
- Other information** : Methanol (CAS 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes. Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma. There may be a delay in the onset of these effects after exposure.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values : No data available.

12.2. Persistence and Degradability

Persistence and degradability : Not biodegradable. Separation by sedimentation.

12.3. Bioaccumulative potential

Bioaccumulative potential : No data available.

12.4. Mobility in soil

Mobility : Insoluble in water.

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: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations : Transfer to a suitable container and arrange for collection by specialised disposal company

Disposal of packaging: May be reused following decontamination.

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 : H226: Flammable liquid and vapour.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.

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.