

# Safety Data Sheet

Astro Nu-Guard AG

Revision 2 - 20th January 2020



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

### 1.1 Product identifier

**Product Name** : Astro Nu-Guard AG

**Product Code** : AFAGPNG

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

**Use of substance / mixture** : Anti Graffiti Coating

### 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

**Email** : sales@astroflame.com

### 1.4. Emergency telephone number

**Emergency telephone** : (0) 44 1329 844 500 (Office hours only: 08:00 - 17:00)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP** : Eye Irrit. 2: H319; -: EUH208

**Most important adverse effects** : Contains 3-(2-aminoethylamino)-propyltrimethoxysilane. May produce an allergic reaction. Causes serious eye irritation.

**Label elements** :

**Hazard statements** : EUH208: Contains 3-(2-aminoethylamino)-propyltrimethoxysilane. May produce an allergic reaction.  
H319: Causes serious eye irritation.

## 2.2. Label elements

**Hazard pictograms** : GHS07: Exclamation mark

**Signal words** : Warning



**Precautionary statements** :

- P264: Wash hands thoroughly after handling.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+313: If eye irritation persists: Get medical attention.

## 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** :

METHYL-0,0',0''-BUTAN-2-ONE-TRIOXIMOSILANE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
245-366-4	22984-54-9	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319	1-10%

BUTANONE OXIME VINYLSILANE

218-747-8	2224-33-1	-	Skin Irrit. 2: H315; Eye Dam. 1: H318; Eye Irrit. 2: H319	1-10%
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3-(2-AMINOETHYLAMINO)-PROPYLTRIMETHOXYSILANE

217-164-6	1760-24-3	-	Eye Dam. 1: H318; Skin Sens. 1: H317	<1%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

<b>Skin contact</b>	:	Wash immediately with plenty of soap and water.
<b>Eye contact</b>	:	Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
<b>Ingestion</b>	:	Wash out mouth with water.
<b>Inhalation</b>	:	Not applicable.

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

<b>Skin contact</b>	:	There may be irritation and redness at the site of contact.
<b>Eye contact</b>	:	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.
<b>Ingestion</b>	:	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
<b>Inhalation</b>	:	There may be irritation of the throat with a feeling of tightness in the chest.
<b>Delayed / immediate effects</b>	:	Immediate effects can be expected after short-term exposure.

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

<b>Immediate / special treatment</b>	:	Not applicable.
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## Section 5: Fire-Fighting measures

### 5.1. Extinguishing media

<b>Extinguishing media</b>	:	Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
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### 5.2. Special hazards arising from the substance or mixture

<b>Exposure hazards</b>	:	In combustion emits toxic fumes.
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### 5.3. Advice for fire - fighters

<b>Advice for fire - fighters</b>	:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
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## 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)

**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

**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: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- State** : Liquid
- Colour** : Colourless
- Odour** : Perceptible odour
- Solubility in water** : Insoluble
- Relative density** : 1.00

### 9.1. 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 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** : 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

**Toxicity values** :

Route	Species	Test	Value	Units
ORAL	RAT	LD50	>1000	mg/kg
VAPOURS	ORAL	4H LC50	>50	mg/l

**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** : Immediate effects can be expected after short-term exposure.

**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values** :

Species	Test	Value	Units
BLUEGILL ( <i>Lepomis macrochirus</i> )	96H LC50	48	mg/l
Daphnia magna	48H EC50	750	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 in Soil** : 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** : This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.  
\* indicates text in the SDS which has changed since the last revision.
- Phrases used in s.2 and s.3** : EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.  
H319: Causes serious eye irritation.
- 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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