

According to REACH Regulations (EC) 1907/2006 and (EU) 2020/878

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product code : GL5855
Product name : Aftin-5
CAS number :
Physical form : solid, substance
REACH : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

PC21: Laboratory chemicals.

1.3 Details of the supplier of the safety data sheet

Company name : Glentham Life Sciences Ltd Telephone : +44 (0) 1225 667 798
Unit 5 Leaffield Way Fax : +44 (0) 2033 978 909
Corsham SN13 9SW Email : info@glentham.com
United Kingdom Web : www.glentham.com

1.4 Emergency telephone number

Emergency telephone : NHS Direct 111 (UK, 24 hours), 112 (EU, 24 Hours), +44 (0) 1225 667 798 (09.00 – 17.00 GMT) number

2. Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP according to (EC) 1272/2008

H319 Eye Irr. 2A

2.2 Label elements

Label elements under CLP according to (EC) 1272/2008

Pictograms



GHS07

Signal words Warning

Hazard statements

H319 Causes serious eye irritation

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.

2.3 Other hazards

PBT

This substance is not identified as a PBT substance.

3.0 Composition/information on ingredients

3.1 Substances

Name	Identifier	%	Classification
Aftin-5	CAS: EC: REACH: Not applicable	98.0%	H319, Eye Irr. 2A

4. First aid measures

4.1 Description of first aid measures

Skin contact	Consult a doctor. Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact	Consult a doctor. Transfer to hospital for specialist examination. Bathe the eye with running water for 15 minutes.
Ingestion	Consult a doctor. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Wash out mouth with water.
Inhalation	No data available.

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	May cause permanent damage. The eyes may water profusely. The vision may become blurred. There may be pain and redness. There may be severe pain.
Ingestion	Nausea and stomach pain may occur. There may be soreness and redness of the mouth and throat.
Inhalation	Nausea and stomach pain may occur. 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. Nausea and stomach pain may occur.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment

Do not induce vomiting. Eye bathing equipment should be available on the premises.

5. Fire-fighting measures

5.1 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

Wear protective clothing to prevent contact with skin and eyes. Wear self-contained breathing apparatus.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Do not create dust. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

6.2 Environmental precautions

Do not discharge into drains or rivers.

6.3 Methods and material for containment and cleaning up

Clean-up procedures

Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 Reference to other sections

Refer to section 8 of SDS.

7. Handling and storage

7.1 Precautions for safe handling

Handling requirements

Avoid direct contact with the substance. Avoid the formation or spread of dust in the air. Ensure there is sufficient ventilation of the area.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Avoid contact with water or humidity. Keep container tightly closed. Store in cool, well ventilated area.

7.3 Specific end use(s)

No data available.

8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits

8.2 Exposure controls

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

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Solid
Colour	White
Odour	No data available.
Melting point/Freezing point	No data available.
Boiling point/initial boiling point/boiling range	No data available.
Flammability	No data available.
Lower/Upper explosion limit	No data available.
Flash Point	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
pH	No data available.
Kinematic viscosity	No data available.
Solubility	No data available.
Partition coefficient n-octanol/water	No data available.
Vapour pressure	No data available.
Density/relative density	No data available.
Relative vapour pressure	No data available.
Particle characteristics	No data available.

9.2 Other information

No data available.

10. Stability and reactivity

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions

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

10.4 Conditions to avoid

Heat.

10.5 Incompatible materials

Materials to avoid

Strong acids. Strong oxidising agents.

11. Toxicological information

11.1 Information on toxicological effects

a) Acute toxicity

Chromium (VI) compounds (as Cr)

No data available.

Fluorides, inorganic

No data available.

Acrylic acid

No data available.

Isocyanates, all (as -NCO) Except methyl isocyanate

No data available.

Aluminium alkyl compounds

No data available.

Aluminium salts, soluble

No data available.

Manganese and its inorganic compounds (as Mn)

No data available.

MMMF (Machine-made mineral fibre) (except for refractory ceramic fibres and special purpose fibres)

No data available.

Molybdenum compounds (as Mo) soluble compounds, insoluble compounds

No data available.

Nickel and its inorganic compounds (except nickel tetracarbonyl): water-soluble nickel compounds (as Ni), nickel and water-insoluble nickel compounds (as Ni)

No data available.

Antimony and compounds except stibine (as Sb)

No data available.

Arsenic and arsenic compounds except arsine (as As)

No data available.

Platinum compounds, soluble (except certain halogeno-Pt compounds) (as Pt)

No data available.

Pentyl acetates (all isomers)

No data available.

Barium compounds, soluble (as Ba)

No data available.

Pulverised fuel ash inhalable dust respirable dust

No data available.

Cobalt and Cobalt compounds (as Co)

No data available.

Beryllium and beryllium compounds (as Be)

No data available.

Refractory ceramic fibres and special purpose fibres, total inhalable dust, respirable fraction

No data available.

Rhodium (as Rh) metal fume and dust soluble salts

No data available.

Silica, amorphous inhalable dust respirable dust

No data available.

Silver (soluble compounds as Ag)

No data available.

Barium (soluble compounds as Ba)

No data available.

Chromium Metal, Inorganic Chromium (II) Compounds and Inorganic Chromium (III) Compounds (insoluble)

No data available.

Mercury and divalent inorganic mercury compounds including mercuric oxide and mercuric chloride (measured as mercury)

No data available.

Cadmium and cadmium compounds except cadmium oxide fume, cadmium sulphide and cadmium sulphide pigments (as Cd)

No data available.

Cadmium sulphide and cadmium sulphide pigments (respirable dust (as Cd))

No data available.

Selenium and compounds, except hydrogen selenide (as Se)

No data available.

Silica, respirable crystalline (respirable fraction)

No data available.

Indium and compounds (as In)

No data available.

Tellurium and compounds, except hydrogen telluride (as Te)

No data available.

Manganese and inorganic manganese compounds

No data available.

Chromium (II) compounds (as Cr)

No data available.

Chromium (III) compounds (as Cr)

No data available.

Iron salts (as Fe)

No data available.

Copper and compounds: dust and mists (as Cu)

No data available.

Cotton dust

No data available.

Cyanides, except HCN, cyanogen and cyanogen chloride (as Cn)

No data available.

Thallium, soluble compounds (as Tl)

No data available.

Tin compounds, inorganic except SnH₄, (as Sn)

No data available.

Tin compounds, organic, except Cyhexatin (ISO), (as Sn)

No data available.

Mercury and divalent inorganic compounds including mercuric oxide and mercuric chloride (measured as mercury)

No data available.

Zirconium compounds (as Zr)

No data available.

b) **Skin corrosion/irritation**

No data available.

c) **Serious eye damage/irritation**

Serious eye damage/eye irritation (Category 2A)

d) **Respiratory or skin sensitisation**

No data available.

e) **Germ cell mutagenicity**

No data available.

f) **Carcinogenicity**

No data available.

g) **Reproductive toxicity**

No data available.

h) **STOT-single exposure**

No data available.

i) **STOT-repeated exposure**

No data available.

j) **Aspiration hazard**

No data available.

11.2 **Symptoms / routes of exposure**

Skin contact	There may be mild irritation at the site of contact.
Eye contact	May cause permanent damage. The eyes may water profusely. The vision may become blurred. There may be pain and redness. There may be severe pain.
Ingestion	Nausea and stomach pain may occur. There may be soreness and redness of the mouth and throat.
Inhalation	Nausea and stomach pain may occur. 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. Nausea and stomach pain may occur.
Other information	No data available.

12. **Ecological information**

12.1 **Toxicity**

No data available.

12.2 **Persistence and degradability**

Biodegradable.

12.3 **Bioaccumulative potential**

No bioaccumulation potential.

12.4 **Mobility in soil**

Readily absorbed into soil.

12.5 **Results of PBT and vPvB assessment**

This substance is not identified as a PBT substance.

12.6 **Endocrine disrupting properties**

This substance is not identified as having endocrine disrupting properties

12.7 **Other adverse effects**

No data available.

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.

14. **Transport information**

This product does not require a classification for transport.

15. **Regulatory information**

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

This Safety Data Sheet is prepared in accordance with Commission Regulation (EC) 1907/2006, amended by Commission Regulation (EU) 2020/787.

Authorisations/Restrictions

Regulation (EC) 1907/2006, REACH, Annex XIV list of substances subject to authorisation:

vPvB (Article 57e)
 vPvB (Article 57e)
 Toxic for reproduction (Article 57c)
 Endocrine disrupting properties (Article 57(f) - environment)
 Endocrine disrupting properties (Article 57(f) - environment)
 Endocrine disrupting properties (Article 57(f) - environment)
 Endocrine disrupting properties (Article 57(f) - environment)
 Endocrine disrupting properties (Article 57(f) - environment)
 Endocrine disrupting properties (Article 57(f) - environment)
 Endocrine disrupting properties (Article 57(f) - environment)
 Endocrine disrupting properties (Article 57(f) - environment)
 Endocrine disrupting properties (Article 57(f) - environment)

Regulation (EC) 1907/2006, REACH, Annex XVII restrictions on the manufacture, placing on the market and use of certain dangerous substances: No data available.

Regulation (EC) 1005/2009 on substances that deplete the ozone layer: No data available.

Regulation (EC) 850/2004 on persistent organic pollutants, amended by (EU) No 2019/1021: No data available.

15.2 Chemical safety assessment

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

16. Other information

H-Statement Full Texts

H319 Causes serious eye irritation

Abbreviations Full Texts

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ALARP	As low as is reasonably practicable
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging Regulations
COSHH	Control of Substances Hazardous to Health
EC Number	European Community Number
EC50	Effective Concentration 50%
EILINCS	European List of Notified Chemical Substances
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	Globally Harmonised System
HSE	Health & Safety Executive UK
IATA	International Air Transport Association
IM	Intramuscular
IMDG	The International Maritime Dangerous Goods Code
IP	Intraperitoneal
IV	Intravascular
LD50	Lethal Dose 50%
LOEC	Lowest Observable Effective Concentration
LTEL	Long Term Exposure Limit
NOEC	No Observable Effective Concentration
OECD	Organisation for Economic Cooperations and Development
PBT	Persistent Bioaccumulative Toxic
PPE	Personal Protective Equipment

REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations Concerning the International Carriage of Dangerous Goods by Rail
SC	Subcutaneous
SDS	Safety Data Sheet
STEL	Short Term Exposure Limit
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
WEL	Workplace Exposure Limits

This Safety Data Sheet is prepared in accordance with Commission Regulation (EC) 1907/2006, amended by Commission Regulation (EU) 2020/787.

Disclaimer: Glentham Life Sciences shall not be held liable for any damage resulting from handling or from contact with the above product. 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 document does not guarantee the properties or quality of the product.