

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: Stim XL (AF Stim XL)

Chemical name: Ascophyllum nodosum pure extract

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

Identified uses: Fertiliser (Agriculture)

Uses advised against: Not identified

1.3 Details of the supplier of the safety data sheet:

AIVA LTD (Aiva Fertiliser)

The Old Farm Offices, Manor Farm, Ginge, Oxfordshire UNITED KINGDOM OX12 8QS

Tel: +44 (0) 1235 834 997 (option 2)

Email: office@aivafertiliser.co.uk

www.aivafertiliser.co.uk

1.4 Emergency telephone number:

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the product

Classification in accordance with European Regulation (EC) No. 1272/2008: The product is not hazardous

2.2 Label elements 1272/2008

Hazard statements:

Not applicable

Precautionary statements:

Prevention:

P101 – If medical advice is needed, have product container or label at hand.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301 + P330 + P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304 + P313 + P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention.

P305 + P313 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

P332 + P313 – If skin irritation occurs: Get medical advice/attention.

Disposal:

P501 Dispose of through a reputable waste disposal contractor.

Additional labelling:

Not applicable

Hazard pictograms:

Not applicable

Signal word:

Non-hazardous

2.3 Other hazards:

No data available (see section 12)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1/2 Substance:

CAS/EC-nr	EC-nr	Name	Content %	Classification CLP
		Ascophyllum nodosum pure extract		

3.3 Additional information

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

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures:****By inhalation:**

Keep patient at rest and maintain body temperature. Remove the victim to a ventilated area. Get medical attention. Give symptomatic and supportive treatment, if required.

By skin contact:

After contact with skin, remove contaminated clothing and wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

By eye contact:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present and easy to do so, then continue rinsing eye. Call a doctor/ophthalmologist.

By ingestion/aspiration:

Rinse mouth with water. Get medical attention and show the label or packaging. Do not induce vomiting. If vomiting occurs, keep victim's head below hips to prevent aspiration.

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

No data available.

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

All treatments should be based on observed signs and symptoms.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media:**

Suitable extinguishing media: chemical powder, CO₂, water spray or alcohol resistant foam. Unsuitable extinguishing media: Direct water spurt (water jet).

5.2 Special hazards arising from the substance or mixture:

Possibility of exposure to toxic combustion products.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment, and emergency procedures:**

Isolate and delimit the affected area.

Eliminate all sources of ignition.

Use personal protective equipment and respiratory protection.

Avoid contact with skin and eyes.

Evacuate personnel to safe areas.

Ensure adequate ventilation.

6.2 Environmental precautions:

Prevent the product reaches the sewer.
Prevent soil contamination.

6.3 Methods and material for containment and cleaning up:

Clean up with absorbent materials (eg. soil, sand, diatomaceous earth or any non-flammable absorbent).
Store collected material in adequate containers for disposal. Label these containers and manage in accordance with local regulations.
Do not mix with other waste materials.
If there are spills or uncontrolled discharges on surface waters (or water for public use), immediately inform the local authorities.

6.4 Reference to other sections:

For guidance on selection of personal protective equipment see section 8 of this safety data sheet. For guidance on disposal of spilled material see section 13 of this Material Safety Data Sheet.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

See also Section 8.
Use personal protective equipment (PPE). Avoid contact with skin, eyes and clothing.
Ensure adequate ventilation.
Do not handle the product near a source of ignition or near open flame.
Do not smoke, drink or eat while handling the product.
Wash hands with soap after handling and before eating, drinking, smoking or using the toilet.
Remove clothing immediately if the product is inside. Wash skin thoroughly with mild soap and dress clean clothes.

7.2 Conditions for safe storage, including any incompatibilities:

Do not store near or with any of the incompatible materials listed in Section 10.
Do not store with food, beverages, feed and water supplies.
Do not store near flame, heat sources or near strong oxidizing agents.
Avoid extreme temperatures. Store the product in the original container.
Keep tightly closed containers in a dry, cool and well ventilated sheltered from the sun.
Keep out of reach of unauthorized persons, children and animals.

7.3 Specific end use(s):

Except for the instructions already specified (refer to section 1.2) it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

No data available for this product

Occupational exposure limits EH40/2007:

Substance/material	8 hour TWA:	15 min STEL:
Not applicable		

DNEL (General population):

Non-applicable

PNEC:

Non-applicable

8.2 Exposure controls:

8.2.1 Proper technical controls:

See also Section 7. Ensure adequate ventilation and/or exhaust ventilation.

8.2.2 Individual protective measures:

Respiratory protection: Use breathing mask with appropriate filter.
Hand protection: Use protection gloves.
Eye protection: Wear safety glasses with side-shields (e.g. EN 166) or facial protection screen.

Skin and body protection: Work clothes, apron and protective boots are recommended.
 Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Have eye wash bottle with distilled water.
 Remove and wash contaminated clothing before reuse. Wash hands before breaks and immediately after handling.
8.2.3 Environmental exposure controls:
 Do not flush into surface waters or sanitary drain systems.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

- Appearance:** Liquid
- Colour:** Green-Brown
- Odour:** Characteristic fishy odour
- Odour threshold:** No data available
- pH:** 4,5
- Freezing point:** No data available
- Boiling point:** 102 °C
- Evaporation rate:** No data available
- Flash point:** Not applicable
- Decomposition temperature:** No data available
- Auto-ignition temperature:** Not applicable
- Inflamabilidad:** No data available
- Explosive properties:** Not applicable
- Oxidizing properties:** No data available
- Vapour pressure:** No data available
- Vapour density:** No data available
- Viscosity:** Dynamic viscosity (at 22 °C): 300-510 P (mm²/s)
- Density:** 1.1 g/cm³
- Solubility:** Soluble in water
- Partition coefficient n-octanol/water (log Pow):** No data available

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product is not reactive under normal conditions.

10.2. Chemical stability

The product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3. Possibility of hazardous reactions

No hazard reactions are expected under normal processing.

10.4. Conditions to avoid

Avoid exposure to light.
 Avoid extreme temperatures.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

- (a) **Acute toxicity:** No data available
- (b) **Skin corrosion/irritation:** No data available
- (c) **Eye damage/irritation:** No data available
- (d) **Respiratory or skin sensitization:** No data available
- (e) **CMR – Carcinogenicity, Mutagenicity and Reproductive toxicity:** No data available
- (f) **STOT – single and repeated exposure:** No data available
- (g) **Aspiration hazard:** No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

(a) Aquatic toxicity:

Acute toxicity on green algae (72 hours):

Yield Growth rate

CE10 > 30 mg/L > 30 mg/L

CE20 > 30 mg/L > 30 mg/L

CE50 > 30 mg/L > 30 mg/L

Acute toxicity on Daphnia magna (48 hours):

NOEC > 100 mg/L

LOEC > 100 mg/L

CI50 > 100 mg/L

Acute toxicity on Zebrafish (96 hours):

NOEC > 100 mg/L

LOEC > 100 mg/L

CI50 > 100 mg/L

(b) Sediment toxicity: No data available.

(c) Terrestrial toxicity: No data available.

12.2. Persistence and degradability

100% biodegradable (all organic matter).

12.3. Bioaccumulative potential

Not applicable.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste materials at a licensed site.

Rinse with water the used containers three times and empty the water into the application tank.

Do not burn containers, even after use. Disable the used packaging and dispose of content and/or empty containers in accordance with local, regional, national, and/or international regulations.

SECTION 14: TRANSPORT INFORMATION

ADR/RID:

Not classified as hazardous for transport within the transport regulations.

IMDG:

Not classified as hazardous for transport within the transport regulations.

ICAO/IATA:

Not classified as hazardous for transport within the transport regulations.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the product

- European Regulation (EC) No.1272/2008 on classification, labelling and packaging of substances and mixtures.

- European Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

- Commission Regulation (EU) No. 453/2010, amending Regulation (EC) No. 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this product.

SECTION 16: OTHER INFORMATION

Revision of this safety data sheet:

Revision number: 3.0

Supersedes: 2.0

Added, deleted or revised information: Update of sections 2 and 15 according to Annex II of regulation (EU) 453/2010.

Legend to abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

IATA: International Air Transport Association.

ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.2

IMDG: International Maritime Dangerous Goods.

PBT: Persistent, Bioaccumulative and Toxic.

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STOT: Specific Target Organ Toxicity.

vPvB: Very Persistent and very Bioaccumulative.

Key literature references and sources for data:

ESIS: European Chemical Substances Information System.

ECHA: European Chemicals Agency <http://echa.europa.eu/>

Classification and Labelling Inventory Database <http://echa.europa.eu/web/guest/information-on-chemicals/clinventory-database>

Institute for Health and Consumer Protection (European Commission): <http://ihcp.jrc.ec.europa.eu/>

Instituto Nacional de Seguridad e Higiene en el trabajo <http://www.insht.es>

Riskquim <http://riskquim.insht.es:86/riskquim/clp/>

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.