

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Additiv - Thinning

**Product no.**

-

**REACH registration number**

Not applicable

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

**Relevant identified uses of the substance or mixture**

Coating

**Uses advised against**

-

The full text of any mentioned and identified use categories are given in section 16

### 1.3. Details of the supplier of the safety data sheet

**Company and address**

**Blue & Green AB**  
**Stenorsvägen 52**  
**261 44 Landskrona**  
**Sweden**  
**Tfn: +46 418 399000**  
**Fax: +46 418 13199**  
**www.blueandgreen.se**

**E-mail**

info@blueandgreen.se

**SDS date**

2020-12-11

**SDS Version**

1.0

### 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

### 2.1. Classification of the substance or mixture

Aquatic Chronic 3; H412  
 See full text of H-phrases in section 2.2.

### 2.2. Label elements

**Hazard pictogram(s)**

Not applicable

**Signal word**

-

**Hazard statement(s)**

Harmful to aquatic life with long lasting effects. (H412)

**Precautionary statements**

General	If medical advice is needed, have product container or label at hand. (P101).
Prevention	Avoid release to the environment. (P273).
Response	-
Storage	-
Disposal	Dispose of contents/container to an approved waste disposal plant. (P501).

**Identity of the substances primarily responsible for the major health hazards**

Not applicable

According to EC-Regulation 2015/830

**Additional labelling**

Not applicable

**Unique formula identifier (UFI)**

A0U4-NQFK-200C-CSQU

**2.3. Other hazards**

Not applicable

**Additional warnings**

Not applicable

**VOC (volatile organic compound)**

Not applicable

**SECTION 3: Composition/information on ingredients**

**3.1/3.2. Substances/Mixtures**

NAME:	Fatty acids, tall-oil
IDENTIFICATION NOS.:	CAS-no: 61790-12-3 EC-no: 263-107-3
CONTENT:	60-80%
CLP CLASSIFICATION:	NA

NAME:	ETHYL,3-ETHOXYPROPIONATE
IDENTIFICATION NOS.:	CAS-no: 763-69-9 EC-no: 212-112-9
CONTENT:	25-40%
CLP CLASSIFICATION:	Flam. Liq. 3, Aquatic Chronic 3 H226, H412
NOTE:	O

(\*) O = Organic solvent See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

**Other information**

$N \text{ chronic (CAT 3) Sum} = \text{Sum}(Ci/(M(\text{chronic})^{*25}) * 0.1 * 10^{\wedge} \text{CATi}) = 1.056 - 1.584$

**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. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). 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**

Bring the person into fresh air and stay with him/her.

**Skin contact**

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with soap and water.

**Eye contact**

Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 5 minutes and continue until irritation stops. Make sure to flush under the upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

**Ingestion**

Provide plenty of water for the person to drink and stay with him/her. 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 victim 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**

Nothing special

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

Nothing special

**Information to medics**

Bring this safety data sheet.

**SECTION 5: Firefighting measures**

According to EC-Regulation 2015/830

### 5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist.

### 5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. 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.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment.

### 6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

### 6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment. See section on 'Exposure controls/personal protection' for information on personal protection.

### 7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Storage temperature

Room temperature 18 to 23°C

### 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

#### OEL

No substances are listed in The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

#### DNEL / PNEC

DNEL (ETHYL,3-ETHOXYPROPIONATE): 610 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

Remarks: Registration dossier ECHA

DNEL (ETHYL,3-ETHOXYPROPIONATE): 72.6 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

Remarks: Registration dossier ECHA

PNEC (ETHYL,3-ETHOXYPROPIONATE): 0.06 mg/l

Exposure: Freshwater

Remarks: Registration dossier ECHA

PNEC (ETHYL,3-ETHOXYPROPIONATE): 0.006 mg/l

Exposure: Marine water

Remarks: Registration dossier ECHA

According to EC-Regulation 2015/830

PNEC (ETHYL,3-ETHOXYPROPIONATE): 50 mg/l  
 Exposure: Sewage Treatment Plant  
 Remarks: Registration dossier ECHA

PNEC (ETHYL,3-ETHOXYPROPIONATE): 0.42 mg/kg dw  
 Exposure: Freshwater sediment  
 Remarks: Registration dossier ECHA

PNEC (ETHYL,3-ETHOXYPROPIONATE): 0.042 mg/kg dw  
 Exposure: Marine water sediment  
 Remarks: Registration dossier ECHA

## 8.2. Exposure controls

Control is unnecessary if the product is used as intended.

### General recommendations

Observe general occupational hygiene standards.

### Exposure scenarios

There is no appendix to this safety data sheet.

### Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

### Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

### 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

Use only CE marked protective equipment.

### Respiratory Equipment

If ventilation at the work place is insufficient, use a half- or full mask with an appropriate filter or an air-supplied breathing apparatus depending on the specific work situation and how long you will be using the product.

### Skin protection

Wear appropriate protection clothing, e.g. coveralls in polypropylene approved type 6 and Category III.

### Hand protection

Nitrile rubber

Breakthrough time: > 480 minutes (Class 6)

### Eye protection

Wear safety glasses with side shields.

## SECTION 9: Physical and chemical properties

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

Form	Liquid
Colour	Colourless
Odour	Characteristic
Odour threshold (ppm)	No data available.
pH	No data available.
Viscosity (40°C)	No data available.
Density (g/cm <sup>3</sup> )	0.92
<b>Phase changes</b>	
Melting point (°C)	No data available.
Boiling point (°C)	170
Vapour pressure	No data available.

According to EC-Regulation 2015/830

Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.
<b>Data on fire and explosion hazards</b>	
Flash point (°C)	64
Ignition (°C)	377
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.
<b>Solubility</b>	
Solubility in water	Insoluble
n-octanol/water coefficient	No data available.
<b>9.2. Other information</b>	
Solubility in fat (g/L)	No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

### 10.3. Possibility of hazardous reactions

Nothing special

### 10.4. Conditions to avoid

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Substance: ETHYL,3-ETHOXYPROPIONATE

Species: Rabbit

Test: LD50

Route of exposure: Dermal

Result: 4080 mg/kg bw

Substance: ETHYL,3-ETHOXYPROPIONATE

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 4309 mg/kg bw

Substance: ETHYL,3-ETHOXYPROPIONATE

Species: Rat

Test: LC50

Route of exposure: Inhalation

Result: 5967 mg/m3

#### Skin corrosion/irritation

No data available.

#### Serious eye damage/irritation

No data available.

#### Respiratory or skin sensitisation

No data available.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

No data available.

#### Reproductive toxicity

No data available.

#### STOT-single exposure

No data available.

#### STOT-repeated exposure

No data available.

#### Aspiration hazard

According to EC-Regulation 2015/830

No data available.  
**Long term effects**  
 Nothing special

**SECTION 12: Ecological information**

**12.1. Toxicity**

Substance: ETHYL,3-ETHOXYPROPIONATE  
 Species: Daphnia  
 Test: EC50  
 Duration: 48h  
 Result: 873 mg/l

Substance: ETHYL,3-ETHOXYPROPIONATE  
 Species: Fish  
 Test: LC50  
 Duration: 96h  
 Result: 60.9mg/l

Substance: ETHYL,3-ETHOXYPROPIONATE  
 Species: Algae  
 Test: EC50  
 Duration: 72h  
 Result: 114.8 mg/l

**12.2. Persistence and degradability**

Substance	Biodegradability	Test	Result
ETHYL,3-ETHOXYPROPIONATE	Yes	CO2 Evolution Test	100

**12.3. Bioaccumulative potential**

Substance	Potential bioaccumulation	LogPow	BCF
ETHYL,3-ETHOXYPROPIONATE	No	No data available	No data available

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

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

**12.6. Other adverse effects**

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Product is covered by the regulations on hazardous waste.

**Waste**

EWC code

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**Specific labelling**

Not applicable

**Contaminated packing**

Contaminated packaging must be disposed of similarly to the product.

**SECTION 14: Transport information**

**14.1 – 14.4**

Not dangerous goods according to ADR, IATA and IMDG.

**ADR/RID**

14.1. UN number	-
14.2. UN proper shipping name	-
14.3. Transport hazard class(es)	-
14.4. Packing group	-
Notes	-
Tunnel restriction code	-

**IMDG**

UN-no.	-
Proper Shipping Name	-
Class	-
PG*	-
EmS	-
MP**	-
Hazardous constituent	-

According to EC-Regulation 2015/830

**IATA/ICAO**  
**UN-no.** -  
**Proper Shipping Name** -  
**Class** -  
**PG\*** -

**14.5. Environmental hazards**

-

**14.6. Special precautions for user**

-

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No data available

(\*) Packing group

(\*\*) Marine pollutant

**SECTION 15: Regulatory information**

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

**Restrictions for application**

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

**Demands for specific education**

-

**Additional information**

Not applicable

**Seveso**

-

**Biocidal reg. no.**

Not applicable

**Sources**

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.  
 Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).  
 Regulation (EC) 1907/2006 (REACH).

**15.2. Chemical safety assessment**

No

**SECTION 16: Other information**

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

H226 - Flammable liquid and vapour.

H412 - Harmful to aquatic life with long lasting effects.

**The full text of identified uses as mentioned in section 1**

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**Additional label elements**

Not applicable

**Other**

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

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.

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.

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

**The safety data sheet is validated by**

David Löwenstein

**Date of last essential change**



According to EC-Regulation 2015/830

**(First cipher in SDS version)**

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**Date of last minor change**

**(Last cipher in SDS version)**

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