SAFETY DATA SHEET

FFX COMPACT

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

1.1. Product identifier

Trade name:	FFX COMPACT
▼*Product no.:*	600338, 600339
Unique formula identifier (UFI):	7HMC-A5NE-8007-XJU5

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

Relevant identified uses of the substance or mixture:	Fire extinguishing, Släckmedel Restricted to professional users.
Uses advised against :	None known.

1.3. Details of the supplier of the safety data sheet

Company and address:	**GPBM Nordic AB** Sörredsvägen 113 SE-41878 Göteborg
Contact person:	Frank Willy Ottesen
Revision:	10/04/2025
SDS Version:	1.0
Date of previous version:	14/11/2024 (1.0)

1.4. Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)
General public:
England - Dial 111 to reach NHS 111 (24 hour service)
Scotland - Dial 112 to reach NHS 24 (24 hour service)
Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)
See section 4 “First aid measures”.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Eye Dam. 1; H318, Causes serious eye damage.

2.2. Label elements

Hazard pictogram(s):

Signal word: Danger

Hazard statement(s):	Causes serious eye damage. (H318)
Precautionary statement(s):	
General:	-
Prevention:	Wear protective gloves/protective clothing/eye protection/face protection. (P280)
Response:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338) Immediately call a POISON CENTER/doctor. (P310)
Storage:	-
Disposal:	-
Hazardous substances:	Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine Sodium octyl sulphate Sodium decyl sulphate
Additional labelling:	EUH208, Contains 1,2-benzisothiazol-3(2H)-one;1,2-benzisothiazolin-3-one. May produce an allergic reaction. UFI: 7HMC-A5NE-8007-XJU5

2.3. Other hazards

Additional warnings:	This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether	CAS No.: 112-34-5 EC No.: 203-961-6 UK-REACH: Index No.: 603-096-00-8	5-15%	Eye Irrit. 2, H319	[1], [3]
ethanediol;ethylene glycol	CAS No.: 107-21-1 EC No.: 203-473-3 UK-REACH: Index No.: 603-027-00-1	5-10%	Acute Tox. 4, H302	[1]
Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine	CAS No.: 90583-18-9 EC No.: 292-216-9 UK-REACH:	2-10%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318	

	Index No.:		Aquatic Chronic 3, H412	
Sodium octyl sulphate	CAS No.: 142-31-4 EC No.: 205-535-5 UK-REACH: Index No.:	2-10%	Skin Irrit. 2, H315 Eye Dam. 1, H318	
Sodium decyl sulphate	CAS No.: 142-87-0 EC No.: 205-568-5 UK-REACH: Index No.:	0,2<3%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412	

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

Other information

[1] European occupational exposure limit.
[3] According to UK REACH, Annex XVII, the substance is subject to restrictions.

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. 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: Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact: IF ON SKIN: Wash with plenty of water and soap.
Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.
If skin irritation occurs: Get medical advice/attention.

Eye contact: If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

Ingestion: If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.
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 person 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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.
The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

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

IF exposed or concerned:
Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Irrelevant. The product is an extinguishing agent.
Extinguish surrounding fires with suitable extinguisher.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. 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.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Sulphur oxides
Carbon oxides (CO / CO2)
Some metal oxides

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

Avoid direct contact with spilled substances.
Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid direct contact with the product.
Avoid contact during pregnancy and while nursing.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material: Always store in containers of the same material as the original container.

Storage conditions: > 0 < 50 °C
Dry, cool and well ventilated

Incompatible materials: Strong oxidizing agents
Strong acids
Bases

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

No substances are listed in the national list of substances with an occupational exposure limit.

DNEL

Sodium decyl sulphate

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Dermal	2440 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	4060 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	85 mg/m³
Long term – Systemic effects - Workers	Inhalation	285 mg/m³
Long term – Systemic effects - General population	Oral	24 mg/kg bw/day

PNEC

Sodium decyl sulphate

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		95 µg/L
Freshwater sediment		1.5 mg/kg

Intermittent release (freshwater)		86 µg/L
Marine water		9.5 µg/L
Marine water sediment		150 µg/kg
Sewage treatment plant		1.35 mg/L
Soil		244.5 µg/kg

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations: Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios: There are no exposure scenarios implemented for this product.

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

Appropriate technical measures: Ensure that eyewash stations and safety showers are located within easy reach.
Apply standard precautions during use of the product.
Avoid inhalation of vapours.

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. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure: No specific requirements.

Individual protection measures, such as personal protective equipment

Generally: Take off contaminated clothing and wash it before reuse.
Use only UKCA marked protective equipment.

Respiratory Equipment:
No specific requirements

Skin protection:

Recommended	Type/Category	Standards	

Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	≥ 0,3	≥ 60	EN374, EN420	

Eye protection:

Type	Standards	
Safety glasses with side shields.	EN ISO 16321-1	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	No data available
Odour / Odour threshold:	Characteristic
pH:	6-9
Density (g/cm^3):	1.06-1.1
Kinematic viscosity:	No data available
Dynamic viscosity:	15-25
Particle characteristics:	Not applicable - product is a liquid

Phase changes

Melting point/Freezing point (°C):	No data available
Softening point/range (°C):	Does not apply to liquids.
Boiling point (°C):	No data available
Vapour pressure:	No data available
Relative vapour density:	No data available
Decomposition temperature (°C):	No data available

Data on fire and explosion hazards

Flash point (°C):	No data available
Flammability (°C):	The material is not combustible.
Auto-ignition temperature (°C):	Not applicable
Lower and upper explosion limit (% v/v):	Not applicable

Solubility

Solubility in water:	Soluble
n-octanol/water coefficient (LogKow):	No data available
Solubility in fat (g/L):	No data available

9.2. Other information

Refractive index:	1,39-1,43
Oxidizing properties:	Not applicable
Other physical and chemical parameters:	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 section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
Sunlight

10.5. Incompatible materials
Strong acids
Strong oxidizing agents
Bases

10.6. ▼Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

Product/substance	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Test method:	OECD 401
Species:	Mouse, male
Route of exposure:	Oral
Test:	LD50
Result:	2410 – 5530 mg/kg bw

Product/substance	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Test method:	OECD 402
Species:	Rabbit, male
Route of exposure:	Dermal
Test:	LD50
Result:	2764 mg/kg bw

Product/substance	ethanediol;ethylene glycol
Species:	Rat, male/female
Route of exposure:	Oral
Test:	LD50
Result:	7712 mg/kg bw

Product/substance	ethanediol;ethylene glycol
Species:	Mouse, male/female
Route of exposure:	Dermal
Test:	LD50
Result:	> 3500 mg/kg bw

Product/substance	ethanediol;ethylene glycol
Species:	Rat, male/female
Route of exposure:	Inhalation
Test:	LC50
Result:	> 2.5 mg/L

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/irritation
Causes serious eye damage.

Respiratory sensitisation
Based on available data, the classification criteria are not met.

Skin sensitisation
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects
The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

▼Endocrine disrupting properties
This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information
None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Test method:	OECD 203
Species:	Fish, Lepomis macrochirus
Duration:	96 hours
Test:	LC50
Result:	1300 mg/L

Product/substance	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	4950 mg/L

Product/substance	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Test method:	OECD 201
Species:	Algae, Desmodesmus subspicatus
Duration:	72 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	ethanediol;ethylene glycol
Species:	Fish, Salmo gairdneri
Duration:	96 hours
Test:	LC50
Result:	40761 mg/L

Product/substance	ethanediol;ethylene glycol
Species:	Crustacean, Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	>10000 mg/L

Product/substance	ethanediol;ethylene glycol
Species:	Algae, Selenastrum capricornutum
Duration:	96 hours
Test:	EC50
Result:	6.5 – 13 mg/L

12.2. Persistence and degradability

Product/substance	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Conclusion:	Readily biodegradable

Product/substance	ethanediol;ethylene glycol
Conclusion:	Readily biodegradable

12.3. Bioaccumulative potential

Product/substance	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
LogKow:	1
Conclusion:	Potential for bioaccumulation is low

Product/substance	ethanediol;ethylene glycol
BCF:	190
Conclusion:	-

Product/substance	ethanediol;ethylene glycol
LogKow:	-1.34
Conclusion:	No potential for bioaccumulation

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting

properties in relation to the environment.

12.7. Other adverse effects
None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods
Product is covered by the regulations on hazardous waste. (*)
HP 4 - Irritant (skin irritation and eye damage)
Dispose of contents/container to an approved waste disposal plant.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code
07 07 04* Other organic solvents, washing liquids and mother liquors

Specific labelling

Contaminated packing
Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information
Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user
Not applicable.

14.7. Maritime transport in bulk according to IMO instruments
No data available.

SECTION 15: REGULATORY INFORMATION

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

Restrictions for application: Restricted to professional users.
Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to

	eliminate exposure, must be considered.
Demands for specific education:	No specific requirements.
Control of Major Accident Hazards (COMAH) - Categories / dangerous substances:	Not applicable.
UK-REACH, Annex XVII:	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether is subject to restrictions, UK-REACH annex XVII (entry 55).
Additional information:	Not applicable.
Sources:	The Management of Health and Safety at Work Regulations 1999. The Health and Safety at Work etc. Act 1974 Regulations 2013. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The safety data sheet is validated by

Kiwa Technical Consulting AB

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
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.
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.
Country-language: GB-en