

Safety Data Sheet**FoamShield****SECTION 1: Identification of the substance/mixture****Product identifier**

Product Name: **FoamShield (FS WF-250)**

CAS: Mixture

Details of the supplier of the safety data sheet

Company name: FoamShield Europe BV

Full address: Gildenweg 2
8304 EMMELOORD - NL

Emergency telephone number

Emergency telephone number: +31 302 748 888 – NVIC-NL

SECTION 2: Hazards identification**Classification of the substance or mixture****2.1.1 According to Regulation (HCS) (29 CFR 1910.1200(g))**

GHS Classification: EYE DAMAGE/ EYE IRRITATION- Category 2A
SKIN CORROSION/IRRITATION – Category 3

Label elements:

According to Regulation (HCS) (29 CFR 1910.1200(g))

Signal Word: **Warning**



Symbol:

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Hazard Statements: Causes serious eye irritation – H319
Causes mild skin irritation – H316

Precautionary Statements

Prevention: P264 - Wash hands thoroughly after handling.
P280 – Wear eye protection/face protection.
Response: P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical attention.
P332+P313 – If skin irritation occurs: Get medical advice/attention.

Storage: No other specific measures identified.

Disposal: See section 13 for waste disposal information

Other hazards: None known

SECTION 3: Composition/information on ingredients**3.1 Substances**

<i>Composition information – main constituents</i>				
IUPAC name	CAS number	Mol. Formula	Typical conc. (%w/w)	Conc. Range (%w/w)
Sodium Lauryl Ether Sulfate	9004-82-4	NaC ₁₂ H ₂₅ SO ₄	<0,5%	0,01-1%
Ammonium Lauryl Ether Sulfate	32612-48-9	C ₁₂ H ₂₉ NO ₄ S	<0,5%	0,01-1%
Dodecyl Benzene Sulfonic Acid	27176-87-0	C ₁₈ H ₃₀ O ₃ S	<0,5%	0.01-1%
Alkyl Polyglucoside	68515-73-1	C ₁₆ H ₃₂ O ₆	<0,5%	0,01-1%
Sodium Hydroxide	1310-73-2	NaOH	<0,5%	0.01-1%

SECTION 4: First Aid Measures**4.1 Description of first aid measures**

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

Skin contact: Rinse with water for a few minutes.

Inhalation: No special measures required. Treat symptomatically.

Ingestion: Get medical attention if symptoms occur.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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Notes to physician: Treat symptomatically. You should contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

- 4.2 Most important symptoms and effects, both acute and delayed:** Eye and/or skin contact may irritate and cause redness and pain. Symptoms may include stinging, burning, tearing, redness, swelling and blurred vision.
- 4.3 Indication of any immediate medical attention and specific treatment needed:** When contacting a physician, take this SDS with you. Ensure medical personnel are aware of the material involved.

SECTION 5: Fire-fighting Measures

- 5.1 Suitable fire extinguishing media:** Use water, spray, fog, or foam.
- 5.2 Specific hazards arising from the chemical:** In a fire or if heated, a pressure increase will occur and the container may burst.
- 5.3 Advice for Fire-Fighters:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operate in positive pressure mode.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
- 6.1.1 For non-emergency personnel:** Initiate company's spill response procedures immediately. Keep people and powered industrial vehicles out of the area. Don appropriate personal protective equipment (PPE; See Section 8). Do not walk through spilled material.
- 6.1.2 For emergency responders:** Wear appropriate PPE: chemically protective gloves, clothing and full-face, air purifying respirator.
- 6.2 Environmental:** Avoid contact of large amounts of spilled material and runoff with soil and surface waterways. Avoid discharge to drains.
- 6.3 Methods for clean-up:** Dike spilled material with suitable absorbent material like clay or cloth pillows. Cover with inert, absorbent material and remove to disposal container. Spill area may be slippery. Flush with plenty of water.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling**
- 7.1.1 Protective measures:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
- 7.1.2 Information on general occupational hygiene:** Wear protective, chemical resistant gloves / protective clothing / eye protection and face protection. Wash hands, forearms and face thoroughly after handling chemical products, before eating, before smoking and using the lavatory at the end of a working period. Wash contaminated clothing before reusing.

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- 7.2 Conditions for safe storage, including any incompatibilities:** Keep out of reach of children.
Keep container tightly closed. Store at controlled room temperature at 20–25 °C (68–77°F).

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name	ACGIH		OSHA PEL	
	TWA	STEL	TWA	STEL
Sodium Lauryl Ether Sulfate	--	--	--	--
Ammonium Lauryl Ether Sulfate	--	--	--	--
Dodecyl Benzene Sulfonic Acid	--	--	--	--
Alkyl Polyglucoside	--	--	--	--
Sodium hydroxide	2 ppm	NA	2 mg/m ³	NA

8.2 Exposure Controls

8.2.1 Appropriate engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

8.2.2 Individual protection measures such as personal protection equipment

General: Make sure working eye wash stations and safety showers are within reasonable distance from workers.

Eye /face protection – In an industrial or commercial setting, wear safety glasses with side shields or goggles. PPE would not be required in a general household, personal use situation, although discretion is advised.



Skin protection – In an industrial or commercial setting, wear chemical-resistant gloves and slip-resistant footwear. PPE would not be required in a general household, personal use situation, although discretion is advised.



Respiratory protection - A respirator is not needed under normal operating conditions.

8.2.3 Environmental exposure controls: Prevent the spread of any spill to minimize harm to the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Various, primarily green or blue
Odour:	Floral or Citrus or Fruit
pH:	6-9 (100%)

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Melting point:	Not Applicable
Boiling point:	>100°C (>212°F)
Flash point:	>100°C
Evaporation rate:	Not available
Flammability:	Not available
Upper/lower flammability or explosive limits:	No available
Vapour pressure:	Not available
Vapour density:	Not available
Relative density:	Not available
Solubility (ies) in water (T = 20 °C):	Miscible in water
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	300 cps – 1000 cps
Explosive properties:	Not available
Oxidising properties:	Not available

SECTION 10: Stability and reactivity

- 10.1 Reactivity:** None known.
- 10.2 Stability:** The product is stable.
- 10.3 Possibility of hazardous reactions:** Under normal conditions, storage, and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid:** Incompatible materials.
- 10.5 Materials to avoid:** Avoid contact with strong oxidizing agents.
- 10.6 Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Route(s) of exposure: Skin contact, Eye contact, Inhalation, Ingestion.

Symptoms

Eye contact:	Adverse symptoms may include irritation, watering or redness.
Skin contact:	Redness, irritation
Inhalation:	No specific data
Ingestion:	No specific data

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Acute toxicity

Eye contact: Causes eye irritation

Skin contact: No known significant effects or critical hazards. May cause irritation.

Inhalation: No specific data

Ingestion: No specific data

Acute Toxicity:

<i>Toxicological Data</i>				
IUPAC name	CAS number	LD50 – Oral Rat	LC50 – Inhalation - Rat	LD50 – Dermal Rat
Sodium Lauryl Ether Sulfate	9004-82-4	1288 mg/kg (RTECS)	>3900 mg/m ³ 1 h	580 mg/kg Rabbit
Ammonium Lauryl Ether Sulfate	32612-48-9	ND	ND	ND
Dodecyl Benzene Sulfonic Acid	27176-87-0	1080 - 1980 mg/kg	ND	> 2000 mg/kg Rabbit
Alkyl Polyglucoside	68515-73-1	>5000 mg/kg	21.7 mg/L	ND
Sodium Hydroxide	1310-73-2	300 – 500 mg/kg (30-54% caustic)	NA	28,421 mg/kg (5% caustic)

Carcinogenicity:

<i>Carcinogenicity Data</i>				
IUPAC name	CAS number	IARC	NTP	OSHA
Sodium Lauryl Ether Sulfate	9004-82-4	Not listed	Not listed	Not listed
Ammonium Lauryl Ether Sulfate	32612-48-9	Not listed	Not listed	Not listed
Dodecyl Benzene Sulfonic Acid	27176-87-0	Not listed	Not listed	Not listed
Alkyl Polyglucoside	68515-73-1	Not listed	Not listed	Not listed
Sodium Hydroxide	1310-73-2	Not listed	Not listed	Not listed

Chronic Toxicity

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

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SECTION 12: Ecological information

- 12.1 Ecotoxicity:** This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions. Discharge of large quantities into the aquatic environment may be harmful to fish and other aquatic organisms.
- 12.2 Persistence and degradability:** This material is expected to biodegrade; however, no specific data is available on the mixture.
- 12.3 Bioaccumulative potential:** This product is not expected to bioaccumulate.
- 12.4 Mobility in soil:** Expected to partition to water and transport readily.
- 12.5 Results of PBT and vPvB assessment:** No specific data are available for this mixture.
- 12.6 Other adverse effects:** No known significant effects or critical hazards.

Toxicity to fish:

<i>Toxicological Data</i>					
IUPAC name	Value Type	Value	Exposure Time	Species	Method
Sodium Lauryl Ether Sulfate	LC50	1 – 10 mg/L	UNK	Freshwater	UNK
Ammonium Lauryl Ether Sulfate	LC50	1 – 10 mg/L	UNK	Freshwater Fish	UNK
Dodecyl Benzene Sulfonic Acid	LC50	1.67 mg/L	96 hr	Lepomis macrochirus	OECD 203
Alkyl Polyglucoside	LC50	ND	ND	ND	NA
Sodium Hydroxide	LC50	144 to 276 mg/L	96 hr	Poecilia reticulata (Guppy)	UNK

Toxicity to aquatic invertebrates:

<i>Toxicological Data</i>					
IUPAC name	Value Type	Value	Exposure Time	Species	Method
Sodium Lauryl Ether Sulfate	EC50	10 – 100 mg/L	UNK	Freshwater Invertebrates	UNK
Ammonium Lauryl Ether Sulfate	EC50	10 – 100 mg/L	UNK	Freshwater Invertebrates	UNK
Dodecyl Benzene Sulfonic Acid	EC50	2.9 mg/L	48 hr	Daphnia magna	OECD 202
Alkyl Polyglucoside	EC50	ND	ND	ND	NA
Sodium Hydroxide	EC50	34.59 - 47.13 mg/l	48 hr	Ceriodaphnia dubia (Water flea)	UNK

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Toxicity to algae:

<i>Toxicological Data</i>					
IUPAC name	Value Type	Value	Exposure Time	Species	Method
Sodium Lauryl Ether Sulfate	EC50	10 – 100 mg/L	UNK	Algal Inhibition	UNK
Ammonium Lauryl Ether Sulfate	EC50	10 – 100 mg/L	UNK	Algal Inhibition	UNK
Dodecyl Benzene Sulfonic Acid	ErC50	127.9 mg/L	72 hr	Algal Inhibition	OECD 201
Alkyl Polyglucoside	ErC50	ND	ND	Algal Inhibition	NA
Sodium Hydroxide	ErC50	ND	ND	Algal Inhibition	NA

SECTION 13: Disposal considerations

Disposal methods: Dispose of waste and residues in accordance with local, state and federal requirements. Generally this material can be considered an industrial, non-hazardous waste. Contact a company environmental expert and/or a permitted treatment, storage and disposal (TSD) facility representative to assure compliance.

SECTION 14: Transport information

Certain shipping methods or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes. Consult your company's Hazardous Materials / Dangerous Goods Expert for information specific to your situation.

DOT

DOT Classification Not regulated.

IMO/IMDG

IMO/IMDG Classification Not regulated.

IATA

IATA Classification Not regulated.

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SECTION 15: Regulatory information

U.S. Federal regulations

TSCA 8 (b) inventory: All components are listed or exempted.

SARA 302/304/311/312 extremely hazardous substances:

No listed substance

SARA 302/304 emergency planning and notification:

No listed substance

SARA 313

Product Name

CAS number

Concentration

Form R- Reporting: No listed substance
Requirements

CERCLA Reportable Quantity: Sodium Hydroxide – 1,000 lbs

California Prop. 65:

No listed substance

SECTION 16: Other information

16.1 Indication of changes

SDS Version 1.0, May 2015

Compliant with regulation (HCS), 29 CFR 1910.1200(g)

16.2 Abbreviations and acronyms

ACGIH - American Conference of Governmental Industrial Hygienists

CAS - Chemical Abstract Service Number

CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act

DOT – US Department of Transportation

IARC – International Agency for Research on Cancer

IDLH – Immediately Dangerous to Life and Health

NA – Not Available

ND – Not Determined

NTP – National Toxicological Program

OECD - Organisation for Economic Cooperation and Development

OSHA – Occupational Safety and Health Administration

PEL – Permissible Exposure Limit

ppm – parts per million

RCRA – Resource Conservation and Recovery Act

RTECS - Registry of Toxic Effects of Chemical Substances

SARA – Superfund Amendments and Reauthorization Act

TLV – Threshold Limit Value

TSCA – Toxic Substances Control Act

16.3 Key literature references and sources of data

Fisher Science Education, Sodium Hydroxide, 0.05N (0.5M), 4/12/13

Jeen International Corporation, Jeelate SLES 60%, Material Safety Data Sheet, 5-16-13.

Jeen International Corporation, Jeelate ALES 60%, Material Safety Data Sheet, 4-2-13.

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LabChem, Sodium Hydroxide, 5% w/v, 10/16/13

Olin Chlor Alkali Products, Sodium Hydroxide 30-54%, 12/20/13

United Nations, Globally Harmonized System of Classification and Labeling of Chemicals (GHS), 5th ed.

Univar, Caustic Soda 50%, Safety Data Sheet, 4-29-15.

16.4 Training advice

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

16.5 Disclaimer

Disclaimer: Information given herein is offered in good faith as accurate, but without assurance, warranty or guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of the use of the product are therefore assumed by the user. Appropriate warnings and safe handling procedures including but not limited to those provided in our Material Safety Data Sheets should be provided to handlers and users. It is also the responsibility of the user to observe any and all the laws and regulations concerning the transportation, use, storage, and disposal of the product. Any statement or recommendation not contained herein is unauthorized and shall not bind The FoamShield Companies, its subsidiaries, affiliates, or assigns. Nothing herein shall be construed as a recommendation to use any product in conflict with patents or proprietary intellectual property covering any material or its use. No license is implied or in fact granted that may conflict with or be covered under the claims of any patent. Inquiries regarding this and other products offered by FoamShield Europe and other FoamShield Companies should be directed to info@foamshield.eu