

Safety data sheet

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

1.1. Product identifier

Trade name: Flocking Liquid

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

Recommended uses: Flocculant for swimming pools.

1.3. Details of the supplier of the safety data sheet

Supplier: Swim & Fun Scandinavia ApS
Lilletoften 11
4040 Jyllinge
Denmark
Tel: +45 70226856
Fax: +45 70226859
Email: cl@swim-fun.dk

1.4. Emergency telephone number

0870 600 6266 (UK only) Only available to health professionals.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

DPD-classification:

The product shall not be classified as hazardous according to the classification and labelling rules for substances and mixtures.

Most serious harmful effects:

2.2. Label elements

Hazard designation:

The product shall not be classified as hazardous according to the classification and labelling rules for substances and mixtures.

2.3. Other hazards

Assessment to determine PBT and vPvB has not been made.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Registration number	CAS/EC Number	Substance	DSD-classification/ CLP-classification	w/w%	Note
.	68989-00-4	Quaternary ammonium compounds,	C;R34 Xn;R21/22 N;R50	<1	.
.	273-544-1	benzyl-C10-16-alkyldimethyl,	Skin Corr. 1B, H314 Aquatic acute 1;H400	.	.
.	.	chlorides	Acute Tox. 4; H302 Acute Tox. 4; H312	.	.

Please see section 16 for the full text of R-phrases and H-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Seek fresh air. Seek medical advice in case of persistent discomfort.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
Skin:	Remove contaminated clothing. Wash the skin with water. Seek medical advice in case of persistent discomfort.
Eyes:	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
Other information:	When obtaining medical advice, show the safety data sheet or label.

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

May cause slight irritation to the skin and eyes.

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

No special immediate treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited stock.

Unsuitable extinguishing media Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases – seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Wear safety goggles if there is a risk of eye splash. Wear gloves.

For emergency responders: In addition to the above: Normal protective clothing equivalent to EN 469 is recommended. Stop leak if this can be done without risk.

6.2. Environmental precautions

Do not discharge large quantities of concentrated spills and residue into drains.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use the product under well-ventilated conditions, preferably outdoors. Running water and eye wash equipment should be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Do not expose to heat (e.g. sunlight).

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Legal basis: EH40/2005 Workplace exposure limits incl. supplement from October 2007.

Contains no substances subject to reporting requirements.

8.2. Exposure controls

Appropriate engineering controls:	Wear the personal protective equipment specified below. See also section 7.1.
Personal protective equipment, eye/face protection:	Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 166.
Personal protective equipment, skin protection:	Plastic or rubber gloves recommended. Breakthrough time has not been determined for the product. Change gloves often. Gloves must conform to EN 374.
Personal protective equipment, respiratory protection:	Not required.
Environmental exposure controls:	Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State:	Liquid
Colour:	Colourless
Odour:	Odourless
Odour threshold:	No data
pH (solution for use):	No data
pH (concentrate):	4,6 (20 °C)
Melting point/freezing point:	No data
Initial boiling point and boiling range:	100 °C
Flash point:	No data
Evaporation rate:	No data
Flammability (solid, gas):	No data
Upper/lower flammability limits:	No data
Upper/lower explosive limits:	No data
Vapour pressure:	23 hPa (20 °C)
Vapour density:	No data
Relative density:	1,09 g/cm ³ (20 °C)
Solubility:	Miscible with water
Partition coefficient n-octanol/water:	No data
Auto-ignition temperature:	Not spontaneously flammable
Decomposition temperature:	No data
Viscosity:	No data
Explosive properties:	Non-explosive
Oxidising properties:	No data

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Do not expose to heat (e.g. sunlight).

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral: The product does not have to be classified. Test data are not available. Ingestion may cause discomfort.

Acute toxicity - dermal: The product does not have to be classified. Test data are not available.

Acute toxicity - inhalation:	The product does not have to be classified. Test data are not available.
Skin corrosion/irritation:	The product does not have to be classified. Test data are not available. May cause slight irritation.
Serious eye damage/eye irritation:	The product does not have to be classified. Test data are not available. May cause eye irritation.
Sensitisation:	The product does not have to be classified. Test data are not available.
Mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Toxicity in case of single exposure:	The product does not have to be classified. Test data are not available.
Toxicity in case of repeated or prolonged exposure:	The product does not have to be classified. Test data are not available.
Aspiration hazard:	The product does not have to be classified. Test data are not available.
Other toxicological effects:	None known.

SECTION 12: Ecological information

12.1. Toxicity

The product does not have to be classified. Test data are not available. The product contains small quantities of environmentally hazardous substances.

12.2. Persistence and degradability

Test data are not available.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

No assessment has been made.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Do not discharge large quantities of concentrated spills and residue into drains. Contact the local authorities.

EWC code: Depends on line of business and use, for instance 16 03 06 organic wastes other than those mentioned in 16 03 05

Absorbent/cloth contaminated with the product:
EWC code: 15 02 03 Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02.

SECTION 14: Transport information

ADR/RID

14.1. UN number -

14.2. UN proper shipping name -

14.3. Transport hazard class(es) -
14.4. Packing group -
Hazard identification number -
Tunnel restriction code: -
14.5. Environmental hazards -

ADN

14.1. UN number -
14.2. UN proper shipping name -
14.3. Transport hazard class(es) -
14.4. Packing group -
14.5. Environmental hazards -
Environmental hazard in tank
vessels: -

IMDG

14.1. UN number -
14.2. UN proper shipping name -
14.3. Transport hazard class(es) -
14.4. Packing group -
14.5. Environmental hazards -
IMDG Code segregation group: -

ICAO/IATA

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

14.6. Special precautions for user

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14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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SECTION 15: Regulatory information

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

Special provisions: None.

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: Other information

Abbreviation explanations: PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative

R-phrases: R21/22 Harmful in contact with skin and if swallowed.
R34 Causes burns.
R50 Very toxic to aquatic organisms.

H-phrases: H302 Harmful if swallowed.

H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.

Training:

A thorough knowledge of this safety data sheet should be a prerequisite condition.

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