



SAFETY DATA SHEET NILFISK SMART SHINE



SDS according to Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex II-EU

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

Date issued 28.08.2014

1.1. Product identifier

Product name NILFISK SMART SHINE
Article no. 81943056

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

Use of the substance/preparation Household cleaner.
Relevant identified uses SU21 Consumer uses: Private households (= general public = consumers)
SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen)
PC35 Washing and cleaning products (including solvent based products)
PROC11 Non-industrial spraying
ERC8A Wide dispersive indoor use of processing aids in open systems
ERC8D Wide dispersive outdoor use of processing aids in open systems
Uses advised against No specific uses advised against are identified.

The chemical can be used by the general public Yes

The chemical is used by general public only No

1.3. Details of the supplier of the safety data sheet

Company name Nilfisk Advance A/S
Postal address Sognevej 25
Postcode DK-2605
City Brøndby
Country Denmark
Tel +45 43238100
Fax +45 43437700
E-mail kr.nordic@nilfisk.com
Website <http://www.consumer.nilfisk.com>
Enterprise no. CVR.no. 62572213
Contact person Thorbjörn Gustafsson

1.4. Emergency telephone number

Emergency telephone National Emergency telephone number:112

Identification comments In case of chemical accident: call national emergency Telephone number 112.

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

DSD/DPD Classification, Comments Not relevant.
Substance / mixture hazardous properties Not regarded as a health or environmental hazard under current legislation.

2.2. Label elements

Other Label Information	No recommendation given.
DSD/DPD labelling, comments	None.
Hazard statements	—
Precautionary statements	—
Child-resistant	No
Tactile warnings	No

2.3. Other hazards

PBT / vPvB	PBT: 0% vPvB=0%
Description of hazard	Not relevant.
Health effect	No recommendation given.
Environmental effects	No recommendation given.
Symptoms and effects of potential misuse	No data recorded.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
AQUA	CAS no.: 7732-18-5 EC no.: 231-791-2		> 30 %
Ethanol	CAS no.: 64-17-5 EC no.: 200-578-6 Index no.: 603-002-00-5 Synonyms: Ethanol	F; R11 Flam. Liq. 2;H225; Flam. Liq. 2;H225; Flam. Liq. 2;H225;	1 - 5 %
Propan-2-ol	CAS no.: 67-63-0 EC no.: 200-661-7 Index no.: 603-117-00-0 Registration number: 01-2119457558-25- Synonyms: Propan-2-ol	F; R11 Xi; R36 R67 Flam. Liq. 2;H225; Flam. Liq. 2;H225; Flam. Liq. 2;H225; Eye Irrit. 2;H319; Eye Irrit. 2;H319; Eye Irrit. 2;H319; STOT SE3;H336; STOT SE3;H336; STOT SE3;H336;	< 1 %
LAURETH-7 (INCI)	CAS no.: — EC no.: — Registration number: 02-2119831120-58-0000	Xn; R22,R38 Eye Irrit. 2;H319; Skin Irrit. 2;H315; Acute tox. 4;H302; Aquatic Chronic 3;H412;	1 - 5 %
C10-16 ALKYL GLUCOSIDE (INCI)	CAS no.: 1023311-89-23 EC no.: 600-975-8 Registration number: 01-2119489418-23	Xi; R38,R41 Eye Dam. 1;H318; Skin Irrit. 2;H315;	< 1 %
Ammonia ...%	CAS no.: 1336-21-6 EC no.: 215-647-6 Index no.: 007-001-01-2 Synonyms: Ammonia 10-25%	C; R34 N; R50 Skin Corr 1B;H314; Aquatic Acute 1;H400;	< 1 %
Perfume		Note : B Xi; R38,R43 N; R51/53	< 1 %

Skin Sens. 1;H317;
 Skin Irrit. 2;H315;
 Eye Irrit. 2;H319;
 Aquatic Chronic 2;H411;

Colour Index CI42051 (E131 Patentblue)			< 0,01 %
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Substance comments The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Not relevant.
Skin contact	Wash skin with soap and water.
Eye contact	Immediately rinse with water for several minutes. Get medical attention if any discomfort continues.
Ingestion	Give milk instead of water if readily available. Get medical attention if any discomfort continues.
Recommended personal protective equipment for first aid responders	Not relevant.

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

General symptoms and effects	Not known.
Acute symptoms and effects	Not known.
Delayed symptoms and effects	Not known.

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

Medical treatment	None.
Other Information	Not relevant.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water. Foam, carbon dioxide or dry powder.
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	This product is not flammable.
Hazardous combustion products	No information required.

5.3. Advice for firefighters

Personal protective equipment	Not relevant.
Other Information	No information required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	No recommendation given.
Personal protection measures	Avoid contact with skin and eyes. For personal protection, see section 8.
Hazardous combustion products	Not relevant.

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Cleaning method	Small quantities may be flushed to drains with plenty of water. Collect spillage with granulates, sawdust, rags or other absorbent. Flush contaminated area with plenty of water. Flush to sewer if local regulations permit.
Clean up	Small quantities can be washed away with plenty of water.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling Work practice should minimize contact.
Avoid inhalation of aerosols.

7.2. Conditions for safe storage, including any incompatibilities

Storage Store at room temperature. Keep in original container. Keep out of reach of children.

Special risks and properties Not relevant.

7.3. Specific end use(s)

Specific use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure limit values

Substance	Identification	Value	TWA Year
Ethanol	CAS no.: 64-17-5	8-hour TWA: 1000 ppm	2011
	EC no.: 200-578-6	8-hour TWA: 1920 mg/m ³	
	Index no.: 603-002-00-5	15 min.: 1000 ppm	
	Synonyms: Ethanol	15 min.: 1900 mg/m ³	
Propan-2-ol	CAS no.: 67-63-0	8-hour TWA: 400 ppm	2011
	EC no.: 200-661-7	8-hour TWA: 999 mg/m ³	
	Index no.: 603-117-00-0	15 min.: 500 ppm	
	Registration number: 01-2119457558-25-	15 min.: 1250 mg/m ³	
	Synonyms: Propan-2-ol		

8.2. Exposure controls

Respiratory protection

Respiratory protection Under normal conditions of use respiration protection should not be required.

Hand protection

Hand protection Under normal conditions of use gloves are not normally required.

Eye / face protection

Eye protection Not relevant.

Skin protection

Skin protection (except hands) Not relevant.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Fluid.
Odour	Perfume.
Comments, Odour limit	Not determined.
pH (as supplied)	Value: ~ 10,3-10,7
pH (aqueous solution)	Value: ~ 10,3-10,7
Comments, Melting point / melting range	Not determined.
Comments, Boiling point / boiling range	Not determined.
Comments, Flash point	Not determined.
Comments, Evaporation rate	Not determined.

Flammability (solid, gas)	Not relevant.
Comments, Explosion limit	Not determined.
Comments, Vapour pressure	Not determined.
Specific gravity	Value: ~ 990 kg/m ³
Solubility description	Soluble in water.
Comments, Partition coefficient: n-octanol / water	Not determined.
Comments, Spontaneous combustability	Not determined.
Comments, Decomposition temperature	Not determined.
Explosive properties	N/A
Oxidising properties	Not determined.

9.2. Other information

Other physical and chemical properties

Comments	No recommendation given.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No information required.
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10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid	No information required.
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10.5. Incompatible materials

Materials to avoid	No information required.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Not known.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological data for substances

Substance	Ethanol
LD50 oral	Value: 7060 mg/kg Animal test species: Rattus
LD50 dermal	Value: > 20000 mg/kg Animal test species: Rabbit
LC50 inhalation	Value: 124,7 mg/kg Animal test species: Rattus Duration: 4h
Substance	Propan-2-ol
LD50 oral	Value: 4710 mg/kg Animal test species: Rattus
LD50 dermal	Value: 12800 mg/kg Animal test species: Rattus
LC50 inhalation	Value: 72,6 mg/l Animal test species: Rattus Duration: 4h
Acute toxicity	Skin: Not Irritating. Eye: Irritating.
Substance	LAURETH-7 (INCI)

LD50 oral	Value: > 500- <2000 mg/kg Animal test species: Rattus
Acute toxicity	Skin: Irritating. (OECD 404)
Substance	C10-16 ALKYL GLUCOSIDE (INCI)
LD50 oral	Value: > 5000 mg/kg bw Test reference: OECD 401
LD50 dermal	Value: > 2000 mg/kg bw Test reference: OECD 402
Acute toxicity	Skin: Irritating. Not a skin sensitiser. Eye: Causes serious eye damage.
Substance	Ammonia ...%
LD50 oral	Value: 350 mg/kg Animal test species: Rattus Comments: Dos 1
Acute toxicity	Inhalation: Vapours may irritate throat and respiratory system and cause coughing. Skin: Irritating to skin. Corrosive. Eye: Strongly corrosive. Causes severe burns and serious eye damage. Immediate first aid is imperative. Ingestion: Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Acute toxicity, Mixture estimate

Oral	LD50 oral (rat) >2000mg/kg bw (ATE Acute Toxic Estimate)
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Potential acute effects

Inhalation	No specific health warnings noted.
Skin contact	Prolonged contact may cause dryness of the skin.
Eye contact	May irritate and cause redness and pain.
Ingestion	Ingestion may cause irritation of the gastrointestinal tract, vomiting and diarrhoea.

Delayed effects / repeated exposure

Sensitisation	No known chronic or acute health risks.
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Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity	No known chronic or acute health risks.
Mutagenicity	No known chronic or acute health risks.
Reproductive toxicity	No known chronic or acute health risks.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	Not classified as dangerous to the environment.
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Toxicological data for substances

Substance	Ethanol
Acute aquatic, fish	Value: 13500 mg/l Method of testing: LC50 Species: Pimephales promelas Duration: 96h
Acute aquatic, algae	Value: > 10,9 mg/l Method of testing: IC50 Species: Skeletonema costatum Duration: 72h
Acute aquatic, Daphnia	Value: 5400 mg/l Method of testing: EC50 Species: D. magna Duration: 48h
Persistence and degradability	The substance is readily biodegradable.

Biodegradability	Value: 85 Test period: 28d Method of testing: OECD 301D
Substance	Propan-2-ol
Acute aquatic, fish	Value: 4200 mg/l Method of testing: LC50 Species: Rasbora heteromorpha Duration: 96h
Acute aquatic, Daphnia	Value: 13299 mg/l Method of testing: EC50 Species: D. magna Duration: 48h
Persistence and degradability	The substance is readily biodegradable.
Biodegradability	Value: 85 Test period: 28d Method of testing: OECD 301D
Substance	LAURETH-7 (INCI)
Acute aquatic, algae	Value: 1-10 mg/l Method of testing: EC50 Duration: 72h
Acute aquatic, Daphnia	Value: 1-10 mg/l Method of testing: LC50 Species: D. magna Duration: 48h Test reference: OECD 202, static
Mobility, description	Mobility, description: The product is partly soluble in water. May spread in the aquatic environment.
Persistence and degradability	The substance is readily biodegradable.
Biodegradability	Value: > 60 Test period: 28d Method of testing: OECD 301B; ISO 9439; 92/69/EEG, c.4-C
Bioaccumulation	Bioaccumulation: Is not expected to be bioaccumulable.
Result of PBT assessment for the substance	This substance is not classified as PBT or vPvB.
Substance	C10-16 ALKYL GLUCOSIDE (INCI)
Acute aquatic, fish	Value: 2,95-5,9 mg/l Method of testing: LC50 Species: Danio rerio Duration: 96h Test reference: OECD 203
Acute aquatic, algae	Value: 5-38 mg/l Method of testing: EC50 Species: Desmodesmus subspicatus
Acute aquatic, Daphnia	Value: 7-14 mg/l Method of testing: EC50 Species: D. magna Duration: 96h Test reference: OECD 202
Persistence and degradability	The substance is readily biodegradable.
Bioaccumulation	Bioaccumulation: Is not expected to be bioaccumulable.
Substance	Ammonia ...%
Acute aquatic, fish	Value: < 1 mg/l Method of testing: LC50 Duration: 96h Remarks: (pH effect)
Acute aquatic, Daphnia	Value: 89 mg/l

	Method of testing: EC50
	Duration: 48
	Remarks: (pH effect)
Mobility, description	Mobility, description: The product is water soluble and may spread in water systems.
Persistence and degradability	The product is biodegradable.

12.2. Persistence and degradability

Persistence and degradability	All organic components are considered biodegradable. The product is easily biodegradable.
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12.3. Bioaccumulative potential

Bioaccumulative potential	Bioaccumulation: Is not expected to be bioaccumulable.
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12.4. Mobility in soil

Comments to mobility	Not relevant.
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12.5. Results of PBT and vPvB assessment

PBT assessment results	This product does not contain any PBT or vPvB substances.
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12.6. Other adverse effects

Other adverse effects / Remarks	None.
Additional ecological information	No recommendation given.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Small amounts may be flushed with water to sewer. Larger volumes must be sent to approved plant for destruction.
Hazardous waste product	—
Hazardous waste packing	—
Product classified as hazardous waste	No
Packaging classified as hazardous waste	No
EWC waste code	EWC: 200130 detergents other than those mentioned in 20 01 29

SECTION 14: Transport information

14.1. UN number

Comments	Not relevant.
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14.2. UN proper shipping name

Comments	None. Not relevant.
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14.3. Transport hazard class(es)

Comments	None. Not relevant.
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14.4. Packing group

Comments	None. Not relevant.
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14.5. Environmental hazards

Comments	None. Not relevant.
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14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Additional information.

Additional information.	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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ADR / RID - Other information

Tunnel restriction code	(—)
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SECTION 15: Regulatory information

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

Legislation and regulations	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
	Content according to Regulation (EC) No 648/2004: 1-5% non-ionic surfactants, <5% perfume, ethanol, 2-propanol, ammonia, colourant, water

15.2. Chemical safety assessment

Chemical safety assessment performed	No
CSR required	No

SECTION 16: Other information

Supplier's notes	The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.
List of relevant R-phrases (under headings 2 and 3).	R67 Vapours may cause drowsiness and dizziness. R38 Irritating to skin. R43 May cause sensitization by skin contact. R36 Irritating to eyes. R34 Causes burns. R50 Very toxic to aquatic organisms. R11 Highly flammable. R22 Harmful if swallowed. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R41 Risk of serious damage to eyes.
List of relevant H-phrases (Section 2 and 3).	H318 Causes Serious eye damage. H302 Harmful if swallowed. H412 Harmful to aquatic life with long lasting effects. H336 May cause drowsiness or dizziness. H400 Very toxic to aquatic life. H315 Causes skin irritation. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H225 Highly flammable liquid and vapour. H411 Toxic to aquatic life with long lasting effects. H319 Causes serious eye irritation.
Version	1
Responsible for safety data sheet	Nilfisk Advance A/S
Prepared by	Anders G. Pettersson