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

1.1. Product identifier

Name of product Spider & Seagull Dirt Remover
Art-Nr 1.0209.01591.00000

1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended intended purpose(s)
cleaning agent

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor Yachticon A. Nagel GmbH
Bürgermeister-Bombeck-Str. 1, D-22851 Norderstedt
Phone +49 40 511 3780, Fax +49 40 51 74 37
E-Mail yachticon@yachticon.de
Internet www.yachticon.de

Advice

Phone +49 40 511 37 80
Fax +49 40 51 74 37
E-mail (competent person):
yachticon@yachticon.de

1.4. Emergency telephone number

Emergency advice Giftinformationszentrale Berlin
Phone +49 (0)30 30686700
Information in German.

! SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

! Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
--------------------------------------	-------------------	--------------------------

Met. Corr. 1	H290	
Skin Corr. 1B	H314	

! **Hazard statements for physical hazards**
H290 May be corrosive to metals.

! **Hazard statements for health hazards**
H314 Causes severe skin burns and eye damage.

! **Additional hints**
This mixture is classified as hazardous according to Regulation (EC) No 1272/2008 [GHS].

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS05

! Signal word
Danger

! Hazard statements for physical hazards
H290 May be corrosive to metals.

! Hazard statements for health hazards
H314 Causes severe skin burns and eye damage.

Precautionary Statements

General

P102 Keep out of reach of children.

! Prevention

P234 Keep only in original container.

P260 Do not breathe gas/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

! Response

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor/...

P390 Absorb spillage to prevent material damage.

! Storage

P405 Store locked up.

! Disposal

P501 Dispose of contents/container to an approved waste handling.

! Hazardous ingredients for labeling

potassium-hydroxide, sodium metasilicate 5-hydrate

Additional information

Remark

Plastic eyeglass lenses can be damaged by the product; Avoid splashing the product / Remove immediately!

2.3. Other hazards

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

! SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

! Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
111-76-2	203-905-0	butylglycol	< 2	Acute Tox. 4, H332 / Acute Tox. 4, H312 / Acute Tox. 4, H302 / Eye Irrit. 2, H319 / Skin Irrit. 2, H315
112-34-5	203-961-6	2-(2-butoxyethoxy)ethanol	< 2	Eye Irrit. 2, H319
122-99-6	204-589-7	2-phenoxyethanol	< 5	Acute Tox. 4, H302 / Eye Irrit. 2, H319
1310-58-3	215-181-3	potassium-hydroxide	< 5	Acute Tox. 4, H302 / Skin Corr. 1A, H314
10213-79-3		sodium metasilicate 5-hydrate	< 5	Skin Corr. 1B, H314 / STOT SE 3, H335 / Met. Corr. 1, H290
15763-76-5		Cumene sulfonate (sodium salt)	< 2	Eye Irrit. 2, H319
164524-02-1	629-764-9	Cumene sulfonate (potassium salt)	< 2	Eye Irrit. 2, H319

REACH

CAS No	Name	REACH registration number
111-76-2	butylglycol	01-2119475108-36-XXXX
1310-58-3	potassium-hydroxide	01-2119487136-33-XXXX
15763-76-5	Cumene sulfonate (sodium salt)	01-2119489411-37-0000
164524-02-1	Cumene sulfonate (potassium salt)	01-2119489427-24-0000

! Labelling for contents according to regulation (EC) No 648/2004, annex VII

less than 5 % anionic surfactants
less than 5 % non-ionic surfactants

! SECTION 4: First aid measures

4.1. Description of first aid measures

! General information

Remove moisted clothing immediately.

In case of accident or if you feel unwell seek medical advice immediately (if possible show directions for use or safety data sheet).

! In case of inhalation

Ensure of fresh air.

Seek medical treatment immediately.

! In case of skin contact

In case of contact with skin wash off immediately with soap and water.

Immediate medical treatment necessary, as untreated burns can result in slow-healing wounds.

! In case of eye contact

Remove contact lenses.

Call for a doctor immediately.

Immediately rinse open eyes 10 to 15 minutes under running water.

! In case of ingestion

Call for a doctor immediately.

Rinse out mouth and give plenty of water to drink.

Do NOT induce vomiting - risk of perforation!

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

! Physician's information / possible symptoms

Corrosive effect on eyes, skin and mucous membranes.

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

No information available.

! SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Product does not burn, fire-extinguishing activities according to surrounding.

Dry fire-extinguishing substance

Carbon dioxide

Water spray jet

5.2. Special hazards arising from the substance or mixture

In the case of thermal decomposition formation of dangerous gases possible.

Upon thermal decomposition, formation of irritating gases and vapors possible.

The product itself does not burn.

5.3. Advice for firefighters

! Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply (isolated).

Wear full protective clothing.

! Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

High risk of slipping due to leakage / spillage of product.

Residues of fire and contaminated fire extinguishing water must not enter drains, surface water or groundwater.

! SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

! For non-emergency personnel

Use personal protective clothing.

High risk of slipping due to leakage/spillage of product.

Avoid contact with clothing, skin and eyes.

6.2. Environmental precautions

Do not seep away runed out product into ground or body of water.

In the case of contamination of soil, waterways or drains, inform the competent authorities.

6.3. Methods and material for containment and cleaning up

Send in suitable containers for recovery or disposal.

Take up with absorbent material (e.g. general-purpose binder).

After taking up the material dispose according to regulation.

6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

Emergency telephone number: see section 1

! SECTION 7: Handling and storage

7.1. Precautions for safe handling

! Advice on safe handling

Avoid formation of aerosols.

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Avoid contact with skin and eyes.

Avoid mixing with acids / acid products ABSOLUTELY!

Avoid contact with skin and eyes.

Do not breathe aerosols / vapors.

! General protective measures

Do not inhale gases/vapours/aerosols.

Avoid contact with the skin.

Avoid contact with the eyes.

! Hygiene measures

Clean skin thoroughly after working.

Cloths contaminated with product should not be kept in trouser pockets.

At work do not eat, drink and smoke.

Beschmutzte, getränkte Kleidung sofort ausziehen und vor der Wiederverwendung waschen.

7.2. Conditions for safe storage, including any incompatibilities

! Requirements for storage rooms and vessels

Keep in closed original container.

Do not use metallic container.

! Advice on storage compatibility

Do not store with acids.

Do not store together with food.

! Further information on storage conditions

Keep container dry, tightly closed and store at cool and aired place.

Storage group 8B

7.3. Specific end use(s)

No information available.

! SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)

CAS No	Name	Code	[mg/m ³]	[ppm]	Remark
111-76-2	2-butoxyethanol	8 hours	98	20	skin
		Short-term	246	50	
112-34-5	2-(2-butoxyethoxy)ethanol	8 hours	67,5	10	
		Short-term	101,2	15	

Spider & Seagull Dirt Remover**DNEL-/PNEC-values****DNEL worker**

CAS No	Substance name	Value	Code	Remark
10213-79-3	sodium metasilicate 5-hydrate	1,49 mg/kg bw/day	DNEL long-term dermal (systemic)	
		6,22 mg/m ³	DNEL long-term inhalative (systemic)	
111-76-2	butylglycol	98 mg/m ³	DNEL long-term inhalative (systemic)	
		125 mg/kg bw/day	DNEL acute dermal, short-term (systemic)	
		1091 mg/m ³	DNEL acute inhalative (systemic)	
		246 mg/m ³	DNEL acute inhalative (local)	
		125 mg/kg bw/day	DNEL long-term dermal (systemic)	
1310-58-3	potassium-hydroxide	1 mg/m ³	DNEL long-term inhalative (local)	
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	175 mg/m ³	DNEL long-term inhalative (systemic)	
		2750 mg/kg bw/day	DNEL long-term dermal (systemic)	

DNEL Consumer

CAS No	Substance name	Value	Code	Remark
10213-79-3	sodium metasilicate 5-hydrate	0,74 mg/kg bw/day	DNEL long-term oral (repeated)	
		1,55 mg/m ³	DNEL long-term inhalative (systemic)	
		0,74 mg/kg bw/day	DNEL long-term dermal (systemic)	
111-76-2	butylglycol	89 mg/kg bw/day	DNEL acute dermal, short-term (systemic)	
		147 mg/m ³	DNEL acute inhalative (local)	
		6,3 mg/kg bw/day	DNEL long-term oral (repeated)	
		75 mg/kg bw/day	DNEL long-term dermal (systemic)	
		26,7 mg/kg bw/day	DNEL short-term oral (acute)	
		426 mg/m ³	DNEL acute inhalative (systemic)	
		59 mg/m ³	DNEL long-term dermal (systemic)	
1310-58-3	potassium-hydroxide	1 mg/m ³	DNEL long-term inhalative (local)	

PNEC

CAS No	Substance name	Value	Code	Remark
10213-79-3	sodium metasilicate 5-hydrate	1 mg/l	PNEC aquatic, marine water	
		1000 mg/l	PNEC sewage treatment plant (STP)	
		7,5 mg/l	PNEC aquatic, freshwater	
111-76-2	butylglycol	463 mg/l	PNEC sewage treatment plant (STP)	

DNEL-/PNEC-values (continued)

CAS No	Substance name	Value	Code	Remark
		8,8 mg/l	PNEC aquatic, freshwater	
		0,88 mg/l	PNEC aquatic, marine water	
		9,1 mg/l	PNEC aquatic, intermittent release	
		3,46 mg/kg dw	PNEC sediment, marine water	
		34,6 mg/kg dw	PNEC sediment, freshwater	
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	10000 mg/l	PNEC sewage treatment plant (STP)	
		0,24 mg/l	PNEC aquatic, freshwater	
		0,024 mg/l	PNEC aquatic, marine water	
		0,545 mg/kg	PNEC sediment, marine water	
		5,45 mg/kg dw	PNEC sediment, freshwater	
		0,071 mg/l	PNEC aquatic, intermittent release	

8.2. Exposure controls

! Respiratory protection

Breathing apparatus in the event of aerosol or mist formation.
Not necessary with adequate exhaust ventilation.

Hand protection

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitril, 0,4 mm, 60 min, 480 min. e.g. "Camatril Profi" (KCL GmbH, Email: Vertrieb@kcl.de)

The selection of the suitable gloves does not only depend on different material, but also on further marks of quality and varies from manufacturer to manufacturer.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

! Eye protection

tightly fitting goggles

! Other protection measures

protective clothing

Appropriate engineering controls

Ensure good ventilation, where necessary use fume hood.

! SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

liquid

Colour

colourless, clear

Odour

odourless

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value					alkaline
boiling point	ca. 100 °C				
melting point	ca. 0 °C				
Flash point	not determined				
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature					The product is not self-igniting.
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Relative density	not determined				
Vapour density	not determined				
Solubility in water		20 °C			multimiscible
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity	not determined				

Oxidising properties

No information available.

Explosive properties

The product is not explosive.

9.2. Other information

Refer to technical data sheet.

! SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under normal conditions of use.

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Reactions with acids.

Reactions with light metals, with evolution of hydrogen.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

! Substances to avoid

Acid

metal, base

10.6. Hazardous decomposition products

Hydrogen

Concerning possible decomposition products see section 5.

Thermal decomposition

Remark No decomposition if used as directed.

! SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
Skin irritation	corrosive			
Eye irritation	corrosive			
Skin sensitization	No known sensitization.			
Sensitization respiratory system	No known sensitization.			

! Experiences made from practice

If swallowed: Severe burns of the mouth and throat and to the danger of perforation of the esophagus and stomach.

Additional information

The product should be handled with the care usual when dealing with chemicals.

Further hazardous properties can not be excluded.

! SECTION 12: Ecological information

12.1. Toxicity

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Bioaccumulation not expected.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

General regulation

Ecological dates are not available.

Do not allow uncontrolled leakage of product into the environment.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendations for the product

There are no harmonised regulations on the disposal of chemicals in the member states of the EU. In Germany the Recycling and Waste Management Act (KrWG) stipulates recycling as a requirement. This means that a distinction must be made between "wastes for recycling" and "wastes for disposal". Particular aspects - in the main concerning delivery - are also governed by the Laender.

Recommendations for packaging

Totally emptied packaging may be treated as household waste.

Disposal according to official regulations.

Recommended cleansing agent

water

General information

Allocation of the waste number has to be done according to the EWC directive industry- and process-specific.

! SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	1719	1719	1719
14.2. UN proper shipping name	CAUSTIC ALKALI LIQUID, N.O.S. (Kaliumhydroxid, Natriummetasilikat)	CAUSTIC ALKALI LIQUID, N.O.S. (potassium hydroxide, sodium metasilicate)	Caustic alkali liquid, n.o.s. (potassium hydroxide, sodium metasilicate)

	ADR/RID	IMDG	IATA-DGR
14.3. Transport hazard class(es)	8	8	8
14.4. Packing group	II	II	II
14.5. Environmental hazards	No	No	No
14.6. Special precautions for user No information available.			
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.			
Land and inland navigation transport ADR/RID Hazard label(s) 8 tunnel restriction code E Classification code C5			

! SECTION 15: Regulatory information

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

National regulations

Water hazard class 1 following AwSV (Germany)
slightly hazardous to water

Decree for case of interference/remarks Quantity limits according to Hazardous Incident Ordinance must be observed.

15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information

Training advice

See the technical data sheet for more information.

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The national special regulations have to be implemented by each user their own responsibility!
The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Please note: Our Material Safety Data Sheets have been prepared in accordance with EU directives, WITHOUT taking into account the specific national regulations for handling hazardous materials and chemicals.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.0

Sources of key data used

Data sheets of the suppliers.

European Chemicals Agency (ECHA)

Spider & Seagull Dirt Remover

Full text of the hazard phrases in section 2 and 3.
Federal Environment Agency (water hazard classes)

- H290 May be corrosive to metals.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.