

# Sail Cleaner

Issued on 09/06/2010 - Rev. n. 3 on 28.08.2015

Code: SC

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According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product code: Sail Cleaner

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

Use: To clean the sails of a marine vessel

Uses advised against: Do not use for purposes other than those listed.

### 1.3. Details of the supplier of the safety data sheet

**Bainbridge International Limited. Unit 8, Flanders Park, Southampton. Hampshire SO30 2FZ England**

### 1.4. Emergency telephone number

0044 1795 599880

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Liquid irritating to skin &amp; eyes

Serious eye damage/eye irritation H318

Category 1

Full text of H statements: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Xi; R41

Full text of R phrases see section 16

Adverse physicochemical, human health and environmental effects

Causes serious eye damage

### 2.2. Label elements

**Labelling according to Regulation (EC) No 1272/2008**

Pictogram, Signal Word Code(s):

**DANGER**

H318 Causes serious eye damage



GHS05

#### Precautionary statements:

Prevention: P280 - Wear protective gloves/protective clothing/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.  
 P310 - Immediately call a doctor/poison centre

Storage: P405 - Store locked up.

Contains: tetrasodium ethylene diamine tetraacetate; C9-11 alcohol ethoxylate with 6.5 mol EO

### 2.3. Other hazards

 The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII  
 No information on other hazards

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Mixtures.

Substance	Conc. %	Classification	Classification	Identification Number		REACH
		Dir 67/548	Reg 1272/08			
Tetrasodium ethylene diamine tetraacetate	10-20	Xn;R22 Xi; R41	Acute Tox 4 (oral) H302	Cas No	64-02-9	

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			Eye Dam. 1, H318	EC No EC Index	200-573-9 607-428-00-2	
C9-11 alcohol ethoxylate with 6.5 mol EO	3-10	Xn;R22 Xi; R41	Acute Tox 4 (oral) H302 Eye Dam 1, H318	Cas No EC No EC Index	68439-46-3	
B-alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts	0.1-3	Xi;R36	Eye Irrit. 2, H319	Cas No EC No EC Index	90170-43-7 290-476-8	
Disodium metasilicate	0.1-1	C;R34 Xi, R37	Met Corr.1, H290 Skin Corr 1B, H314 STOT SE 3 H335	Cas No EC No EC Index	6834-92-0 229-912-9 014-010-00-8	
Pentasodium Triphosphate (STPP)	0.1-1	Not classified	Not classified	Cas No EC No EC Index	7758-29-4 231-838-7	
Trisodium nitrilotriacetate	<1	Carc.Cat.3; R40 Xn;R22 Xi; R36	Carc. 2, H351 Acute Tox. 4 (Oral) H302 Eye Irrit. 2, H319	Cas No EC No EC Index	5064-31-3 225-768-6 607-620-00-6	
Sodium hydroxide, caustic soda	<1	C;R35	Met. Corr 1, H290 Skin Corr. 1A, H314	Cas No EC No EC Index	1310-73-2 215-185-5 011-002-00-6	
Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides	0.1-1	Xn;R22 C; R34 N;R50	Acute Tox. 4 (Oral) H302 Skin Corr.1B H314 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	Cas No EC No EC Index	939-350-2	
Benzotriazole	0.1-1	Xn;R22 Xi;R36 R52/53	Acute Tox. 4 (Oral), H302 Eye Irrit 2, H319 Aquatic Chronic 3, H412	Cas No EC No EC Index	95-14-7 202-394-1	
Ethanol. ethyl alcohol	<0.1	F;R11	Flam Liq.2, H225	Cas No EC No EC Index	64-17-5 200-578-6 603-002-00-5	
Yellow dye	<0.1	Not classified	Not classified	Cas No EC No EC Index		

**Specific Concentration limits**

Name	Product identifier	Specific concentration limits DSD/DPD	Specific concentration limits CLP
Trisodium nitrilotriacetate	CAS no: 5064-31-3 EC No 225-768-6 EC index No 607-620-00-6	(C>=5) Carc. Cat. 3;R40	(C>=5) Carc. 2, H351
Sodium Hydroxide, caustic soda	CAS no: 1310-73-2 EC No 215-185-5 EC index No 011-002-00-6	(0.5=<C <2)Xi;R36/38 (2=<C<5)C;R34 (C>=5) C; R35	(0.5=<C <2) Eye Irrit 2, H319 (0.5=<C <2) Skin Irrit 2, H315 (2=<C<5)Skin Corr 1B, H314 (C>=5) Skin Corr. 1A, H314

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

**Inhalation:**

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated room. Call a poison centre if you feel unwell

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Direct contact with skin (of the pure product):

Take contaminated clothing Immediately off.

Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

Direct contact with eyes

Wash immediately and thoroughly with running water, keeping eyelids open for at least 15 minutes,

Ingestion:

Absolutely do not induce vomiting or emesis. Call a poison centre if you feel unwell..

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

May cause slight irritation after skin contact

May cause serious damage to eyes

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

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

**5. FIREFIGHTING MEASURES****5.1. Extinguishing media**Advised extinguishing agents:*Use foam or extinguishing powders or carbon dioxide. Water spray, Sand Do not use a heavy water stream***5.2. Special hazards arising from the substance or mixture**

Toxic fumes may be released in case of fire

**5.3. Advice for firefighters**

Use protection for the breathing apparatus

Safety helmet and full protective suit. Do not use water jet

Eliminate sources of ignition. Evacuate personnel. Absorb liquid with non combustible material.

**6. ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**6.1.1 For non-emergency personnel:

Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:

Wear mask, gloves and protective clothing.

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

**6.2. Environmental precautions**

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the the authorities.

Discharge the remains in compliance with the regulations.

**6.3. Methods and material for containment and cleaning up**6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing Possibly absorb it with inert material.

Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

**6.4. Reference to other sections**

Refer to paragraphs 8 and 13 for more information

**7. HANDLING AND STORAGE**

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## 7.1. Precautions for safe handling

Avoid contact and inhalation of vapors. See also paragraph 8 below.

At work do not eat or drink.

Do not smoke at work. Provide good ventilation in process area. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving the product.

## 7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Keep away from open flames, sparks and heat sources. Avoid direct sunlight exposure.

## 7.3. Specific end use(s)

Professional uses:

Follow the rules of good hygiene in the workplace.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Ethanol, ethyl alcohol (64-17-5) WEL TWA (g/m<sup>3</sup>) 1920 mg/m<sup>3</sup> (8 hours)

WEL TWA (ppm) 1000 ppm (8 hours)

### 8.2. Exposure controls

Individual protection measures:

Skin protection:	When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)	
Thermal hazards:	No hazard to report	
Eye / face protection:	When handling the pure product use chemical splash safety glasses (spectacles cage) (EN 166).	
Other:	When handling the pure product wear full protective skin clothing.	

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value
Appearance	Yellow Liquid
Odour	<i>Pleasant (perfume)</i>
Odour threshold	<i>Not determined</i>
pH	Not determined
Melting point/freezing point	<i>Not applicable</i>
Initial boiling point and boiling range	~100 °C
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	Non Flammable
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available

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Vapour density	No data available
Relative density	1.1 g/cm <sup>3</sup>
Solubility	Not determined
Water solubility	Soluble in water
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	Not determined
Oxidising properties	Not determined

## 9.2. Other information

Content of VOC:

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

No reactivity hazards.

### 10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

### 10.3. Possibility of hazardous reactions

There are no hazardous reactions.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures

### 10.5. Incompatible materials

Stow away from Strong acids. Strong bases

### 10.6. Hazardous decomposition products

Fume. Carbon Monoxide. Carbon dioxide

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

disodium metasilicate (6834-92-0)

LD50 oral rat 1152-1349 mg/kg bodyweight

LD50 dermal rat &gt;5000 mg/kg bodyweight

Pentasodium Triphosphate (STPP) (7758-29-4)

LD50 oral rat 3120 mg/kg

LD50 dermal rat &gt;4640 mg/kg

B-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7)

LD50 oral rat &gt;2000mg/kg bodyweight

benzotriazole (95-14-7)

LD50 oral rat 500 mg/kg bodyweight

LD50 dermal rat &gt;2000 mg/kg bodyweight

C9-11 alcohol ethoxylate with 6.5 mol EO (68439-46-3)

LD50 oral rat 200-2000 mg/kg

quaternary ammonium compounds, benzyl-C12-14 (even numbered) - alkyldimethyl, chlorides

LD50 oral rat 397.5 mg/kg

LD50 dermal rat &gt;3412 mg/kg

ethanol, ethyl alcohol (64-17-5)

LD50 oral rat 15010 mg/kg bodyweight

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LD50 dermal rat 124.7 mg/L/4h  
 sodium hydroxide, caustic soda (1310-73-2)  
 LD50 oral rat 2000mg/kg

(a) acute toxicity	Harmful if swallowed
(b) skin corrosion/irritation	Irritating to skin May be absorbed.
(c) eye damage/irritation	Causes serious eye damage
(d) respiratory or skin sensitization	<u>Not applicable</u>
(e) germ cell mutagenicity	Not classified
(f) carcinogenicity	If swallowed, possibly carcinogenic to humans
(g) Ingested	<u>Harmful if ingested</u>

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Related to contained substances: Inlikely to bioaccumulate. Low toxicity to fish

disodium metasilicate (6834-92-0)  
 LC50 fishes 1 2320 mg/L Western mosquitofish (*Gambusia affinis*)  
 EC50 Daphnia 1 1700 mg/L  
 EC50 72h Algae (mg/L) (1) 207mg/L  
 Pentasodium Triphosphate (STPP) (7758-29-4)  
 EC50 Daphnia 1 276.61 mg/L  
 B-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7)  
 LC50 fishes 1 4.2 mg/L Rainbow Trout (*Oncorhynchus mykiss*)  
 EC50 Daphnia 1 29 mg/L  
 benzotriazole (95-14-7)  
 LC50 fishes 1 154-210 mg/L Zebra fish (*Danio rerio*)  
 EC50 Daphnia 1 107 mg/L  
 ErC50 (algae) 75 mg/L  
 NOEC chronic crustacea 32mg/L  
 NOEC chronic algae 10mg/L  
 C9-11 alcohol ethoxylate with 6.5 mol EO (68439-46-3)  
 LC50 fishes 1 1-10mg/L  
 quaternary ammonium compounds, benzyl-C12-14 (even numbered) - alkyldimethyl, chlorides  
 LC50 fishes 1 1.28 mg/L Sheepshead minnow (*Cyprinodon variegatus*)  
 EC50 72h Algae (mg/L) (1) 0.26mg/L  
 NOEC chronic fish 0.798mg/L  
 NOEC chronic algae 0.04mg/L  
 ethanol, ethyl alcohol (64-17-5)  
 EC50 Daphnia 1 12340mg/L  
 sodium hydroxide, caustic soda (1310-73-2)  
 LC50 fishes 1 125 mg/L Western mosquitofish (*Gambusia affinis*)  
 EC50 other aquatic organisms 1 40.4mg/L species of water flea (*Ceriodaphnia* sp.)

### 12.2. Persistence and degradability

disodium metasilicate (6834-92-0)  
 Persistence and degradability Not established  
 Pentasodium Triphosphate (STPP) (7758-29-4)  
 Persistence and degradability Not established  
 B-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7)  
 Persistence and degradability Not established  
 C9-11 alcohol ethoxylate with 6.5 mol EO (68439-46-3)  
 Persistence and degradability readily biodegradable  
 quaternary ammonium compounds, benzyl-C12-14 (even numbered) - alkyldimethyl, chlorides  
 Persistence and degradability readily biodegradable  
 ethanol, ethyl alcohol (64-17-5)  
 Persistence and degradability readily biodegradable  
 BOD (% of THOD) 37.74 % ThOD

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## 12.3. Bioaccumulative potential

Tetrasodium ethylene diamine tetraacetate  
Bioaccumulative potential - No bioaccumulation

C9-11 alcohol ethoxylate with 6.5 mol EO  
Bioaccumulative potential - Bioaccumulation unlikely

B-alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts  
Bioaccumulative potential - Not established

Disodium metasilicate  
Bioaccumulative potential - No bioaccumulation

Pentasodium Triphosphate (STPP)  
Bioaccumulative potential - No bioaccumulation

Sail Cleaner (WP1025)  
Bioaccumulative potential - Not established

Sodium hydroxide, caustic soda  
Bioaccumulative potential - No bioaccumulation

Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides  
Log Kow 2.75  
Bioaccumulative potential Low

Ethanol, ethyl alcohol  
Log Kow -0.32  
Bioaccumulative potential Low

## 12.4. Mobility in soil

Ethanol, ethyl alcohol (64-17-5)  
Surface tension 24.5 mN/m  
Ecology - soil Product evaporates when in contact with the air

## 12.5. Results of PBT and vPvB assessment

Tetrasodium ethylene diamine tetraacetate  
PBT: not relevant - no registration required

C9-11 alcohol ethoxylate with 6.5 mol EO  
PBT: not relevant - no registration required

B-alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts  
PBT: not relevant - no registration required

Disodium metasilicate  
This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

Pentasodium Triphosphate (STPP)  
PBT: not relevant - no registration required

Trisodium nitrilotriacetate

Sodium hydroxide, caustic soda  
PBT: not relevant - no registration required

Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides  
PBT: not relevant - no registration required

Benzotriazole  
PBT: not relevant - no registration required

## 12.6. Other adverse effects

Avoid release into the environment

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Land fill or incinerate in accordance with local regulations using authorised personnel.

## 14. TRANSPORT INFORMATION

### 14.1 UN number

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**Not classed as hazardous****14.2 UN proper shipping name**

Not applicable

**14.3 Transport hazard class(es)**

Not applicable

**14.4 Packing group**

Not applicable

**14.5. Environmental hazards**

Product is not environmentally hazardous

Marine polluting agent : Not

**14.6. Special precautions for user**

The goods must be transported by vehicles authorized to transport of dangerous goods according to the current edition of ADR requirements and applicable national regulations.

The goods must be in original packing, however, in packaging made of materials resistant to their content and not likely to generate with this dangerous reactions. People loading and unloading dangerous goods must be trained on the risks from these substances and that must be taken in case of emergency situations

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

It is not intended to carry bulk

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

National regulations

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

EU Legislation

Dangerous Preparations Directive 1999/45/EC

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) (as amended)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended)

Guidance

Workplace Exposure Limits EH40

Approved Classification and Labelling Guide (Sixth edition) L131

Health and environmental listings

Regulation (EC) 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals (as amended)

**15.2. Chemical safety assessment**

No chemical safety assessment was carried out by the supplier

**16. OTHER INFORMATION****16.1. Other information**

Description of the hazard statements exposed to point 3

Acute Tox. 4 (Oral) Acute toxicity (oral), Category 4

Aquatic Acute 1 Hazardous to the aquatic environment — AcuteHazard, Category 1

Aquatic Chronic 1 Hazardous to the aquatic environment — Chronic Hazard, Category 1

Aquatic Chronic 3 Hazardous to the aquatic environment — Chronic Hazard, Category 3

Carc. 2 Carcinogenicity, Category 2

Eye Dam. 1 Serious eye damage/eye irritation, Category 1

Eye Irrit. 2 Serious eye damage/eye irritation, Category 2

Flam. Liq. 2 Flammable liquids, Category 2

Met. Corr. 1 Corrosive to metals, Category 1

Skin Corr. 1A Skin corrosion/irritation, Category 1A

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Skin Corr. 1B Skin corrosion/irritation, Category 1B  
STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation  
H225 Highly flammable liquid and vapour  
H290 May be corrosive to metals  
H302 Harmful if swallowed  
H314 Causes severe skin burns and eye damage  
H318 Causes serious eye damage  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation  
H351 Suspected of causing cancer  
H400 Very toxic to aquatic life  
H410 Very toxic to aquatic life with long lasting effects  
H412 Harmful to aquatic life with long lasting effects  
R11 Highly flammable  
R22 Harmful if swallowed  
R34 Causes burns  
R35 Causes severe burns  
R36 Irritating to eyes  
R37 Irritating to respiratory system  
R40 Limited evidence of a carcinogenic effect  
R41 Risk of serious damage to eyes  
R50 Very toxic to aquatic organisms  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
C Corrosive  
F Highly flammable  
N Dangerous for the environment  
Xi Irritant  
Xn Harmful

#### NOTICE TO USERS:

The information contained herein is based on the knowledge available at the date of completion relating to requirements for safety, health, environmental protection and proper use of the product. The user must be aware of the possible risks associated with use of the product other than that for which the product is shipped. The card is not in any way excuse the user from knowing and applying all the regulations governing its activities. The set of regulations mentioned is simply to help the user to fulfil its obligations regarding the use of hazardous products. This does not exonerate the user from ensuring that legal obligations other than those mentioned and regulated, the possession and use of the product is solely responsible.

\*\*\* *This sheet supersedes all previous editions.*

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