

SAFETY DATA SHEET



Teak Care System Process 1



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

Code: TCK 1

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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: Teak care system process 1

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

Use: To clean teak surfaces - industrial and consumer use.

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

1310-73-2

Physical hazards – Skin Corr. 1A, H314, Skin Irrit. 2, H315 Skin Corr. 1B, H314

Health hazards – Acute Tox. 4 (Oral), H302, Eye Irrit. 2, H319

Environmental hazards – Not classified

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Pictogram, Signal Word Code(s): **DANGER**

GHS05

Skin Corr.1A - H314

H314 - causes severe skin burns and eye damage



Precautionary statements:

Prevention: P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response: P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse.
P363 - Wash contaminated clothing before reuse.

Storage: P405 - Store locked up.

Contains: Sodium hydroxide, caustic soda, potassium hydroxide, caustic potash

2.3. Other hazards

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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			
sodium hydroxide, caustic soda	3-10	C; R35		CAS EINECS	1310-73-2 215-185-5	
potassium hydroxide, caustic potash	3-10	Xn; R22 C; R35		CAS EINECS	1310-58-3 215-181-3	
sodium hydroxide, caustic soda		(0,5 =< C < 2) Xi; R36/38 (2 =< C < 5) C; R34 (C >= 5) C; R35		CAS EINECS	1310-73-2 215-185-5	
potassium hydroxide, caustic potash		(0,5 =< C < 2) Xi; R36/38 (2 =< C < 5) C; R34 (C >= 5) C; R35		CAS EINECS	1310-58-3 215-181-3	
sodium hydroxide, caustic soda		3-10	Skin Corr. 1A, H314	CAS EINECS	1310-73-2 215-185-5	
potassium hydroxide, caustic potash		3-10	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314	CAS EINECS	1310-58-3 215-181-3	
sodium hydroxide, caustic soda			(0,5 =< C < 2) Skin Irrit. 2, H315 (0,5 =< C < 2) Eye Irrit. 2, H319 (2 =< C < 5) Skin Corr. 1B, H314 (C >= 5) Skin Corr. 1A, H314	CAS EINECS	1310-73-2 215-185-5	
potassium hydroxide, caustic potash			(0,5 =< C < 2) Skin Irrit. 2, H315 (0,5 =< C < 2) Eye Irrit. 2, H319 (2 =< C < 5) Skin Corr. 1B, H314 (C >= 5) Skin Corr. 1A, H314	CAS EINECS	1310-58-3 215-181-3	

4. FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Adverse effects not expected from this product.

First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Immediately call a POISON CENTER or doctor/physician.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

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Causes severe skin burns and eye damage

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 extinguishing media appropriate for surrounding fire. DO NOT use a heavy water stream

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

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

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.

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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

Substance	TWA (8 hr) PPM	TWL (15 mins) PPM	OTHER
Potassium hydroxide, caustic potash		2mg/m3	

8.2. Exposure controls

Individual protection measures:

Eye / face protection:	When handling the pure product use chemical splash safety glasses (spectacles cage) (EN 166).	
Skin protection:	When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3) Unsuitable materials: Rubber (latex), nitrile, PVC.	

Thermal hazards:	No hazard to report	
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Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment. Do not eat, smoke or drink during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value
Appearance	Red Liquid
Odour	Characteristic
Odour threshold	Not determined
pH	12
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available

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Evaporation rate	Not determined
Flammability (solid, gas)	Non Flammable
Upper/lower flammability or explosive limits	<i>No data available</i>
Vapour pressure	<i>No data available</i>
Vapour density	1.125g/ml
Relative density	Not determined
Solubility	Not determined
Water solubility	Soluble in water
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Not determined
Oxidising properties	Not determined

9.2. Other information

Content of VOC:

10. STABILITY AND REACTIVITY

10.1. Reactivity

Thermal decomposition generates: Corrosive Vapours

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

Strong acids

10.6. Hazardous decomposition products

Corrosive vapours

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity : Not classified

sodium hydroxide, caustic soda (1310-73-2)

LD50 oral rat 2000 mg/kg

potassium hydroxide, caustic potash (1310-58-3)

LD50 oral rat 273 mg/kg

Skin corrosion/irritation : Causes severe skin burns and eye damage.

Causes severe skin burns and eye damage

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pH: 12
Serious eye damage/irritation : Eye damage, category 1, implicit
Causes severe skin burns and eye damage
pH: 12
Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met
Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met
Carcinogenicity : Not classified
Based on available data, the classification criteria are not met
Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)
: Not classified
Based on available data, the classification criteria are not met
Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

12. ECOLOGICAL INFORMATION

12.1. Toxicity

sodium hydroxide, caustic soda (1310-73-2)

LC50 fishes 1 45,4 mg/l 96 hours

EC50 Daphnia 1 76 mg/l 24 hours

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

No adverse effects

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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UN 1719



14.2 UN proper shipping name Caustic Alkali Liquid N.O.S

14.3 Transport hazard class(es)

IMDG Class : 8 Packing group II	ADR/RID Class: 8 Packing group II	IATA number: 1719
Limited quantities : 5 L	Limited quantities: 1L	IATA class : 8
EmS : F-E, S-D	Tunnel restriction : E	IATA packing group: II
	Transport Cat: 2	

14.4 Packing group

II

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

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16. OTHER INFORMATION

16.1. Other information

Description of the sentences of risk set out in paragraph 3

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
R22	Harmful if swallowed
R35	Causes severe burns
C	Corrosive
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.*
