

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830 - United Kingdom (UK)

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

#### 1.1 Product identifier

Product name : Hempel's Teak Cleaner 67543  
Product identity : 6754399980  
Product type : oxalic acid cleaner

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

Field of application : yacht.  
Identified uses : Consumer applications.

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

Company details : Hempel UK Ltd  
Berwyn House, The Pavilions  
Llantarnam Park  
Cwmbran  
South Wales NP44 3FD  
Telephone: 01633 833600  
hempel@hempel.com

#### 1.4 Emergency telephone number

Emergency telephone number (with hours of operation)  
  
01633 833600 (08.00 - 17.00)  
See Section 4 of the safety data sheet (first aid measures).

Date of issue : 19 December 2018  
Date of previous issue : 10 September 2018.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Product definition : Mixture

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

Eye Dam. 1, H318      SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1  
 STOT RE 2, H373      SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2

See Section 11 for more detailed information on health effects and symptoms.

#### 2.2 Label elements

Hazard pictograms :



Signal word :  Danger

Hazard statements :  H318 - Causes serious eye damage.  
 H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statements :

General :  If medical advice is needed, have product container or label at hand. Keep out of reach of children.  
Prevention :  Avoid breathing vapours, spray or mists. Wear protective gloves/protective clothing/eye protection/face protection.  
Response :  IF IN EYES: 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.  
Disposal :  Dispose of contents and container in accordance with all local, regional, national and international regulations.  
Hazardous ingredients :  oxalic acid

#### Special packaging requirements

Containers to be fitted with child-resistant fastenings :  Not applicable.  
Tactile warning of danger :  Yes, applicable.

#### 2.3 Other hazards

Other hazards which do not result in classification :  Fine dust clouds may form explosive mixtures with air. Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
oxalic acid	REACH #: 01-2119534576-33 EC: 205-634-3 CAS: 144-62-7	≥10 - <25	Acute Tox. 4, H302 Acute Tox. 4, H312 Eye Dam. 1, H318	[1] [2]
respirable quartz	EC: 238-878-4 CAS: 14808-60-7	≥5 - ≤10	Not classified.	[2]
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	REACH #: 01-2119490225-39 EC: 273-257-1 CAS: 68955-19-1	≥1 - ≤3	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412 See Section 16 for the full text of the H statements declared above.	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

#### Type

- [1] Substance classified with a health or environmental hazard  
 [2] Substance with a workplace exposure limit, see section 8.  
 [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII  
 [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII  
 [5] Substance of equivalent concern  
 [6] Additional disclosure due to company policy

#### Detergents - Regulation (EC) No 907/2006

Product/ingredient name	CAS no.	%	Class of constituent
quartz (chrySTALLINE, non respirable)	14808-60-7	10% or more	anionic surfactants
oxalic acid	144-62-7	10% or more	
respirable quartz	14808-60-7	1% or over, but less than 10%	
bentone		1% or over, but less than 10%	
silicon dioxide	7631-86-9	1% or over, but less than 10%	
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	68955-19-1	1% or over, but less than 10%	
other solid substances not classified		less than 0,1%	

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General :	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 112 and give immediate treatment (first aid).
Eye contact :	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation :	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.
Skin contact :	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion :	If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting unless directed to do so by medical personnel. Lower the head so that vomit will not re-enter the mouth and throat.
Protection of first-aiders :	<input checked="" type="checkbox"/> No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

##### Potential acute health effects

Eye contact :	<input checked="" type="checkbox"/> causes serious eye damage.
Inhalation :	<input checked="" type="checkbox"/> Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
Skin contact :	<input checked="" type="checkbox"/> No known significant effects or critical hazards.
Ingestion :	No known significant effects or critical hazards.

### SECTION 4: First aid measures

#### Over-exposure signs/symptoms

Eye contact :	Adverse symptoms may include the following: pain watering redness
Inhalation :	Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact :	Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion :	Adverse symptoms may include the following: stomach pains

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

Notes to physician :	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments :	No specific treatment.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Extinguishing media :	Recommended: alcohol resistant foam, CO <sub>2</sub> , powders, water spray. Not to be used : waterjet.
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#### 5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture :	May form explosible dust-air mixture if dispersed.
Hazardous combustion products :	Decomposition products may include the following materials: carbon oxides metal oxide/oxides

#### 5.3 Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid all direct contact with the spilled material. Refer to protective measures listed in sections 7 and 8. No action shall be taken involving any personal risk or without suitable training. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

#### 6.2 Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### 6.3 Methods and material for containment and cleaning up

Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Avoid creating dusty conditions and prevent wind dispersal. Use spark-proof tools and explosion-proof equipment.

#### 6.4 Reference to other sections

See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Avoid inhalation of vapour, dust and spray mist. Avoid contact with skin and eyes. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Appropriate personal protective equipment: see Section 8. Always keep in containers made from the same material as the original one.

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

Store in accordance with local regulations. Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep out of the reach of children. Keep away from: Oxidizing agents, strong alkalis, strong acids. No smoking. Prevent unauthorized access. Containers that are opened must be carefully resealed and kept upright to prevent leakage.

#### 7.3 Specific end use(s)

See separate Product Data Sheet for recommendations or industrial sector specific solutions.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Product/ingredient name	Exposure limit values
quartz (chrySTALLINE, non respirable)	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b> TWA: 0.1 mg/m <sup>3</sup> 8 hours. Form: respirable dust
oxalic acid	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b> STEL: 2 mg/m <sup>3</sup> 15 minutes. TWA: 1 mg/m <sup>3</sup> 8 hours.
respirable quartz	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b> TWA: 0.1 mg/m <sup>3</sup> 8 hours. Form: respirable dust
silicon dioxide	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b> TWA: 6 mg/m <sup>3</sup> 8 hours. Form: inhalable dust TWA: 2.4 mg/m <sup>3</sup> 8 hours. Form: respirable dust

#### Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### Derived effect levels

No DNELs/DMELs available.

#### Predicted effect concentrations

No PNECs available

#### 8.2 Exposure controls

##### Appropriate engineering controls

Arrange sufficient ventilation by local exhaust ventilation and good general ventilation to keep the airborne concentrations of vapors or dust lowest possible and below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

##### Individual protection measures

General :

Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. Safety eyewear should be used when there is a likelihood of exposure.



Hygiene measures :

Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

### SECTION 8: Exposure controls/personal protection

Eye/face protection :	<input checked="" type="checkbox"/> Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
Hand protection :	<input checked="" type="checkbox"/> Wear chemical-resistant gloves (tested to EN374) in combination with 'basic' employee training. The quality of the chemical-resistant protective gloves must be chosen as a function of the specific workplace concentrations and quantity of hazardous substances. <input checked="" type="checkbox"/> Since the actual work situation is unknown. Supplier of gloves should be contacted in order to find the appropriate type.
Body protection :	<input checked="" type="checkbox"/> Personal protective equipment for the body should be selected based on the task being performed and the risks involved handling this product.
Respiratory protection :	<input checked="" type="checkbox"/> Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Wear appropriate respirator when ventilation is inadequate. Be sure to use approved/certified respirator or equivalent. It is not possible to specify precise filter type, since the actual work situation is unknown. Supplier of respirators should be contacted in order to find the appropriate filter.

### Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### SECTION 9: Physical and chemical properties

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

Physical state :	<input checked="" type="checkbox"/> Powder.
Colour :	<input checked="" type="checkbox"/> Beige. [Light]
Odour :	<input checked="" type="checkbox"/> Non-characteristic.
pH :	<input checked="" type="checkbox"/> Testing not relevant or not possible due to nature of the product.
Melting point/freezing point :	<input checked="" type="checkbox"/> 1610°C This is based on data for the following ingredient: quartz (chrystalline, non respirable)
Boiling point/boiling range :	<input checked="" type="checkbox"/> 100°C
Flash point :	<input checked="" type="checkbox"/> Non-flammable.
Evaporation rate :	<input checked="" type="checkbox"/> Testing not relevant or not possible due to nature of the product.
Flammability :	<input checked="" type="checkbox"/> Non-flammable.
Lower and upper explosive (flammable) limits :	<input checked="" type="checkbox"/> No specific data.
Vapour pressure :	<input checked="" type="checkbox"/> Testing not relevant or not possible due to nature of the product.
Vapour density :	<input checked="" type="checkbox"/> Testing not relevant or not possible due to nature of the product.
Specific gravity :	<input checked="" type="checkbox"/> 1.2 g/cm <sup>3</sup>
Solubility(ies) :	<input checked="" type="checkbox"/> Easily soluble in the following materials: cold water and hot water.
Partition coefficient (LogKow) :	<input checked="" type="checkbox"/> Testing not relevant or not possible due to nature of the product.
Auto-ignition temperature :	<input checked="" type="checkbox"/> Testing not relevant or not possible due to nature of the product.
Decomposition temperature :	<input checked="" type="checkbox"/> Testing not relevant or not possible due to nature of the product.
Viscosity :	<input checked="" type="checkbox"/> Testing not relevant or not possible due to nature of the product.
Explosive properties :	<input checked="" type="checkbox"/> Testing not relevant or not possible due to nature of the product.
Oxidising properties :	<input checked="" type="checkbox"/> Testing not relevant or not possible due to nature of the product.

#### 9.2 Other information

Solvent(s) % by weight :	Weighted average: 0 %
Water % by weight :	Weighted average: 0 %
VOC content :	0 g/l
TOC Content :	Weighted average: 0 g/l
Solvent Gas :	Weighted average: 0 m <sup>3</sup> /l

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability**

The product is stable.

**10.3 Possibility of hazardous reactions**

Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid**

Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Prevent dust accumulation.

**10.5 Incompatible materials**

Highly reactive or incompatible with the following materials: oxidizing materials.  
 Reactive or incompatible with the following materials: reducing materials and organic materials.

**10.6 Hazardous decomposition products**

When exposed to high temperatures (i.e. in case of fire) harmful decomposition products may be formed:  
 Decomposition products may include the following materials: carbon oxides metal oxide/oxides

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

Repeated inhalation of dust can produce varying degrees of respiratory irritation or lung damage.

**Acute toxicity**

**Acute toxicity estimates**

Route	ATE value
Oral	2777.8 mg/kg
Dermal	6111.1 mg/kg

**Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure
Oxalic acid	Eyes - Severe irritant Skin - Mild irritant	Rabbit Rabbit	- -	24 hours 250 Micrograms 24 hours 500 milligrams

**Mutagenic effects**

No known significant effects or critical hazards.

**Carcinogenicity**

No known significant effects or critical hazards.

**Reproductive toxicity**

No known significant effects or critical hazards.

**Teratogenic effects**

No known significant effects or critical hazards.

**Specific target organ toxicity (single exposure)**

Product/ingredient name	Category	Route of exposure	Target organs
No known data available in our database.			

**Specific target organ toxicity (repeated exposure)**

Product/ingredient name	Category	Route of exposure	Target organs
6754399980	Category 2	Not determined	Not determined

**Aspiration hazard**

### SECTION 11: Toxicological information

Product/ingredient name	Result
No known data available in our database.	

#### Information on likely routes of exposure

Routes of entry anticipated: Oral, Dermal, Inhalation.

#### Potential chronic health effects

Other information : No additional known significant effects or critical hazards.

### SECTION 12: Ecological information

#### 12.1 Toxicity

Do not allow to enter drains or watercourses.

#### 12.2 Persistence and degradability

No known data available in our database.

#### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Oxalic acid	-1.7	-	low
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	-2.1	-	low

#### 12.4 Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : No known data available in our database.

Mobility : No known data available in our database.

#### 12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

#### 12.6 Other adverse effects

No known significant effects or critical hazards.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

The generation of waste should be avoided or minimised wherever possible. Residues of the product is listed as hazardous waste. Dispose of according to all state and local applicable regulations. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

European waste catalogue no. (EWC) is given below.

European waste catalogue (EWC) : 08 01 11\*

#### Packaging

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

### SECTION 14: Transport information

Transport may take place according to national regulation or ADR for transport by road, RID for transport by train, IMDG for transport by sea, IATA for transport by air.

### SECTION 14: Transport information

	14.1 UN no.	14.2 Proper shipping name	14.3 Transport hazard class(es)	14.4 PG*	14.5 Env.*	Additional information
<b>ADR/RID Class</b>	Not regulated.		-	-	No.	
<b>IMDG Class</b>	Not regulated.		-	-	No.	
<b>IATA Class</b>	Not regulated.		-	-	No.	-

PG\* : Packing group

Env.\* : Environmental hazards

#### 14.6 Special precautions for user

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

### SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorisation - Substances of very high concern

##### Annex XIV

None of the components are listed.

##### Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Not applicable.

##### Other EU regulations

##### Seveso category

This product is not controlled under the Seveso III Directive.

##### Detergents - Regulation (EC) No 907/2006

Contains (EU Detergents Regulation) : less than 5%: anionic surfactants.

#### 15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

### SECTION 16: Other information

Abbreviations and acronyms :

ATE = Acute Toxicity Estimate  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 EUH statement = CLP-specific Hazard statement  
 RRN = REACH Registration Number  
 DNEL = Derived No Effect Level  
 PNEC = Predicted No Effect Concentration

Full text of abbreviated H statements :

H302 Harmful if swallowed.  
 H312 Harmful in contact with skin.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H412 Harmful to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS] :

Acute Tox. 4, H302 ACUTE TOXICITY (oral) - Category 4  
 Acute Tox. 4, H312 ACUTE TOXICITY (dermal) - Category 4  
 Aquatic Chronic 3, H412 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3  
 Eye Dam. 1, H318 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1  
 Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2  
 STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2

**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**



### SECTION 16: Other information

Classification	Justification
<input checked="" type="checkbox"/> SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 <input checked="" type="checkbox"/> SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2	Calculation method Expert judgment

#### Notice to reader

Indicates information that has changed from previously issued version.

The information contained in this safety data sheet is based on the present state of knowledge and EU and national legislation. It provides guidance on health, safety and environmental aspects for handling the product in a safe way and should not be construed as any guarantee of the technical performance or suitability for particular applications.

It is always the duty of the user/employer to ascertain that the work is planned and carried out in accordance with the national regulations.