

**Trade name:** Legamaster TZ6, TZ7, TZ8, TZ9 board cleaners

**Current version :** 2.5.0, issued: 11.02.2019

**Replaced version:** 2.4.0, issued: 07.02.2019

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**Legamaster TZ6, TZ7, TZ8, TZ9 board cleaners**

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

**Relevant identified uses of the substance or mixture**

Cleaner

**Uses advised against**

No data available.

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

**Address**

Legamaster International B.V.

Kwinkweerd 62

Postbus 111

7240 AC Lochem

The Netherlands

Telephone no. +31 (0) 573-713000

**Information provided by / telephone**

+31 (0) 573-713000

**Advice on Safety Data Sheet**

sdb\_info@umco.de

### 1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)30 30686 790 (Giftnotruf Berlin)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification information**

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

### 2.2 Label elements

**Supplemental label elements**

Regulation (EC) No 648/2004 on detergents:

contains: perfumes

### 2.3 Other hazards

No data available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable. The product is not a substance.

### 3.2 Mixtures

**Chemical characterization**

Mixture (preparation)

Trade name: Legamaster TZ6, TZ7, TZ8, TZ9 board cleaners

Current version : 2.5.0, issued: 11.02.2019

Replaced version: 2.4.0, issued: 07.02.2019

Region: GB

**Hazardous ingredients**

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	ethanol			
	64-17-5 200-578-6 603-002-00-5 -	Flam. Liq. 2; H225	>= 10.00 - < 25.00	%-b.w.

Full Text for all H-phrases and EUH-phrases: pls. see section 16

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

**After inhalation**

Remove affected person from the immediate area. Ensure supply of fresh air.

**After skin contact**

Wash off immediately with soap and water.

**After eye contact**

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

**After ingestion**

Rinse out mouth and give plenty of water to drink. Call a doctor immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting - aspiration hazard.

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

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

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

No data available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Alcohol-resistant foam; Carbon dioxide; Extinguishing powder; Water spray jet

**Unsuitable extinguishing media**

High power water jet

**5.2 Special hazards arising from the substance or mixture**

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>); Toxic gases/vapours

**5.3 Advice for firefighters**

Cool endangered containers with water spray jet. Use self-contained breathing apparatus. Wear protective clothing. Heat causes increase in pressure and risk of bursting. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep away sources of ignition.

Trade name: Legamaster TZ6, TZ7, TZ8, TZ9 board cleaners

Current version : 2.5.0, issued: 11.02.2019

Replaced version: 2.4.0, issued: 07.02.2019

Region: GB

**For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Suppress gases/vapours/mists with water spray jet.

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

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When picked up, treat material as prescribed under heading "Disposal considerations".

**6.4 Reference to other sections**

No data available.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Advice on safe handling**

Provide good ventilation at the work area (local exhaust ventilation, if necessary). Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far it is possible by the state of the art.

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Do not inhale vapours. Clean skin thoroughly after work; apply skin cream.

**Advice on protection against fire and explosion**

Keep away from sources of heat and ignition. Vapours can form an explosive mixture with air. Use explosion-proof equipment/fittings and non-sparking tools.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight.

**Requirements for storage rooms and vessels**

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

**Advice on storage assembly**

Do not store together with oxidizing agents.

**7.3 Specific end use(s)**

No data available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
	Ethanol		
	WEL long-term (8-hr TWA reference period)	1920	mg/m <sup>3</sup> 1000 ppm

Trade name: Legamaster TZ6, TZ7, TZ8, TZ9 board cleaners

Current version : 2.5.0, issued: 11.02.2019

Replaced version: 2.4.0, issued: 07.02.2019

Region: GB

**8.2 Exposure controls****Appropriate engineering controls**

No data available.

**Personal protective equipment****Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Breathing apparatus: gas filter A, code colour: brown

**Eye / face protection**

Safety glasses with side protection shield (EN 166)

**Hand protection**

In case of intensive contact, wear protective gloves (EN 374). Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material butyl rubber  
 Material thickness >= 5 mm

**Other**

Normal chemical work clothing.

**Environmental exposure controls**

No data available.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

<b>Form/Colour</b>	
liquid	
colourless	
<b>Odour</b>	
characteristic	
<b>Odour threshold</b>	
No data available	
<b>pH value</b>	
No data available	
<b>Boiling point / boiling range</b>	
Value	> 80 °C
<b>Melting point / melting range</b>	
No data available	
<b>Decomposition point / decomposition range</b>	
No data available	
<b>Flash point</b>	
Value	37 °C
Method	closed cup
Comments	Product does not propagate combustion.
<b>Ignition temperature</b>	
Value	> 400 °C
<b>Auto-ignition temperature</b>	
Comments	Product is not selfigniting.
<b>Oxidising properties</b>	
not oxidizing	

Trade name: Legamaster TZ6, TZ7, TZ8, TZ9 board cleaners

Current version : 2.5.0, issued: 11.02.2019

Replaced version: 2.4.0, issued: 07.02.2019

Region: GB

<b>Explosive properties</b>			
This product is not explosive. In and after use danger of production of inflammable compounds.			
<b>Flammability (solid, gas)</b>			
No data available			
<b>Lower flammability or explosive limits</b>			
Value	3.5	% vol	
Reference substance	Ethanol		
<b>Upper flammability or explosive limits</b>			
Value	15	% vol	
Reference substance	Ethanol		
<b>Vapour pressure</b>			
Value	appr.	60	hPa
Reference temperature		20	°C
<b>Vapour density</b>			
No data available			
<b>Evaporation rate</b>			
No data available			
<b>Relative density</b>			
No data available			
<b>Density</b>			
not determined			
<b>Solubility in water</b>			
Comments	Completely miscible		
<b>Solubility(ies)</b>			
No data available			
<b>Partition coefficient: n-octanol/water</b>			
No data available			
<b>Viscosity</b>			
No data available			
<b>9.2 Other information</b>			
<b>Other information</b>			
No data available.			

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Static discharges. Impact and friction; Heat, naked flames and other ignition sources.

### 10.5 Incompatible materials

Oxidizing agents

### 10.6 Hazardous decomposition products

No data available.

Trade name: Legamaster TZ6, TZ7, TZ8, TZ9 board cleaners

Current version : 2.5.0, issued: 11.02.2019

Replaced version: 2.4.0, issued: 07.02.2019

Region: GB

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

<b>Acute oral toxicity</b>			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
LD50		6200	mg/kg bodyweight
Species	rat		
Source	Manufacturer		
<b>Acute dermal toxicity</b>			
No data available			
<b>Acute inhalational toxicity</b>			
No data available			
<b>Skin corrosion/irritation</b>			
No data available			
<b>Serious eye damage/irritation</b>			
No data available			
<b>Respiratory or skin sensitisation</b>			
No data available			
<b>Germ cell mutagenicity</b>			
No data available			
<b>Reproduction toxicity</b>			
No data available			
<b>Carcinogenicity</b>			
No data available			
<b>STOT - single exposure</b>			
No data available			
<b>STOT - repeated exposure</b>			
No data available			
<b>Aspiration hazard</b>			
No data available			
<b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>			
Inhalation of solvent vapours in higher concentration may lead to nausea, headache, drowsiness and dizziness. Frequent persistent contact with the skin can cause skin irritation.			

**SECTION 12: Ecological information****12.1 Toxicity**

<b>Toxicity to fish (acute)</b>			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
LC50		8150	mg/l
Duration of exposure		96	h
Species	Leuciscus idus		
Source	Manufacturer		

Trade name: Legamaster TZ6, TZ7, TZ8, TZ9 board cleaners

Current version : 2.5.0, issued: 11.02.2019

Replaced version: 2.4.0, issued: 07.02.2019

Region: GB

Toxicity to fish (chronic)	
No data available	

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
EC50		9268	- 14221 mg/l
Duration of exposure			48 h
Species		Daphnia magna	
Source		Manufacturer	

Toxicity to Daphnia (chronic)	
No data available	

Toxicity to algae (acute)	
No data available	

Toxicity to algae (chronic)	
No data available	

Bacteria toxicity	
No data available	

**12.2 Persistence and degradability**

Biodegradability			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Value			%
Source		Manufacturer	
Evaluation		readily biodegradable	

**12.3 Bioaccumulative potential**

No data available.

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

No data available.

**12.6 Other adverse effects**

No data available.

**12.7 Other information**

Other information	
Do not discharge product unmonitored into the environment.	

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

**Trade name:** Legamaster TZ6, TZ7, TZ8, TZ9 board cleaners

**Current version :** 2.5.0, issued: 11.02.2019

**Replaced version:** 2.4.0, issued: 07.02.2019

**Region:** GB

## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

### 14.4 Other information

No data available.

### 14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

### 14.6 Special precautions for user

No data available.

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

Not relevant

## SECTION 15: Regulatory information

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

#### EU regulations

#### **Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

#### **REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

#### **Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorisation as listed on Annex XVII of the REACH regulation (EC) 1907/2006.

#### **Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This product is not subject to Part 1 or 2 of Annex I.

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

## SECTION 16: Other information

#### **Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

#### **Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

H225

Highly flammable liquid and vapour.



---

**Trade name:** Legamaster TZ6, TZ7, TZ8, TZ9 board cleaners

**Current version :** 2.5.0, issued: 11.02.2019

**Replaced version:** 2.4.0, issued: 07.02.2019

**Region:** GB

---

**Department issuing safety data sheet**

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 643887