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

Current version : 3.0.0, issued: 29.04.2025 **Replaced version:** 2.5.1, issued: 27.10.2022 **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
cleaning compound

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).
EG/1272/2008, 2.6.4.5: "Liquids with a flash point of more than 35 °C need not be classified in Category 3 if negative results have been obtained in the sustained combustibility test L.2, Part III, section 32 of the UN Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria."

2.2 Label elements

Not relevant

2.3 Other hazards

PBT assessment
According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.

vPvB assessment
According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Chemical characterization
Mixture (preparation)

Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	**1-propoxypropan-2-ol**			
	1569-01-3 216-372-4 - -	Eye Irrit. 2; H319 Flam. Liq. 3; H226	3.00 - < 6.00	wt%
2	**propan-2-ol**			

	67-63-0 200-661-7 603-117-00-0 -	Eye Irrit. 2; H319 Flam. Liq. 2; H225 STOT SE 3; H336	1.00 - < 4.00	wt%

Full text of H- and EUH-phrases, if not already mentioned in section 2.2: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

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

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

After skin contact
Wash with plenty of 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). Get medical attention if pain still persists.

After ingestion
Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting - aspiration hazard. Seek medical advice if you feel unwell.

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

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 (CO2)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Cool endangered containers with water spray jet. 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.

For emergency responders
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.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling
Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures
Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Do not inhale vapours.

Advice on protection against fire and explosion
Keep away from ignition sources and provide for good ventilation.

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.

Incompatible products
Substances to be avoided, see section 10.

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	**propan-2-ol**	**67-63-0**		**200-661-7**	
	List of approved workplace exposure limits (WELs) / EH40				
	Propan-2-ol				
	WEL short-term (15 min reference period)	1250	mg/m³	500	ppm
	WEL long-term (8-hr TWA reference period)	999	mg/m³	400	ppm

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	**1-propoxypropan-2-ol**			**1569-01-3 216-372-4**	
	dermal	Long term (chronic)	systemic	82.5	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	263	mg/m³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	**1-propoxypropan-2-ol**			**1569-01-3 216-372-4**	
	inhalative	Long term (chronic)	systemic	38	mg/m³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	**1-propoxypropan-2-ol**		**1569-01-3 216-372-4**	
	water	fresh water	0.1	mg/L
	water	marine water	0.01	mg/L
	water	fresh water sediment	0.386	mg/kg dry weight
	water	marine water sediment	0.039	mg/kg dry weight
	soil	-	0.018	mg/kg dry weight
	sewage treatment plant	-	4	mg/L

8.2 Exposure controls

Appropriate engineering controls
Ensure adequate ventilation, local exhaust at the work station if necessary.

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. Respiratory protection mask with combination filter A/P2.

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. Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Design operations thus to avoid permanent use of protective gloves.

Other
Normal chemical work clothing.

Environmental exposure controls
Avoid release into sewage and environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation
liquid

Form
liquid

Colour
colourless

Odour
odourless

pH value	
Value	9.15
Source	supplier

Boiling point / boiling range
No data available

Melting point/freezing point
No data available

Decomposition temperature
No data available

Flash point		
Value	52	°C
Method	closed cup	
Source	supplier	
Comments	Product does not propagate combustion.	

Ignition temperature
No data available

Flammability
non-combustible

Lower explosion limit
No data available

Upper explosion limit
No data available

Vapour pressure
No data available

Relative vapour density
No data available

Relative density
No data available

Density		
Value	0.99	g/cm³
Reference temperature	20	°C
Source	supplier	

Solubility in water	
Source	supplier
Comments	miscible in any proportion

Solubility
No data available

Partition coefficient n-octanol/water (log value)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**1-propoxypropan-2-ol**	**1569-01-3**		**216-372-4**
log Pow		0.621		
Reference temperature		20	°C	
with reference to	pH 7			
Source	supplier			

Kinematic viscosity
No data available

Particle characteristics
No data available

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
Non-reactive when stored in the original container and under normal storage and use conditions.

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

10.3 Possibility of hazardous reactions
Vapours can form a highly flammable mixture with air.

10.4 Conditions to avoid
Heat, naked flames and other ignition sources.

10.5 Incompatible materials
Oxidizing agents

10.6 Hazardous decomposition products
None if stored, handled and transported properly. In case of fire: see section 5.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity					
No	**Substance name**	**CAS no.**			**EC no.**
1	**1-propoxypropan-2-ol**	**1569-01-3**			**216-372-4**
LD50			4330		mg/kg bodyweight
Species	rat				
Method	OECD 401				
Source	supplier				
2	**propan-2-ol**	**67-63-0**			**200-661-7**
LD50			5280		mg/kg bodyweight
Species	rat				
Source	manufacturer				

Acute dermal toxicity					
No	**Substance name**	**CAS no.**			**EC no.**
1	**1-propoxypropan-2-ol**	**1569-01-3**			**216-372-4**
LD50		>=	3775		mg/kg bodyweight
Species	rabbit				
Method	OECD 402				
Source	supplier				
2	**propan-2-ol**	**67-63-0**			**200-661-7**
LD50			12800		mg/kg bodyweight
Species	rabbit				
Source	manufacturer				

Acute inhalational toxicity				
No	**Substance name**	**CAS no.**		**EC no.**
1	**propan-2-ol**	**67-63-0**		**200-661-7**
LC50		72.6		mg/l
Duration of exposure		4		h
State of aggregation	Vapour			
Species	rat			
Source	manufacturer			

Skin corrosion/irritation		
No	**Substance name**	**CAS no.**	**EC no.**
1	**1-propoxypropan-2-ol**	**1569-01-3**	**216-372-4**
Evaluation	non-irritant	

Serious eye damage/irritation		
No	**Substance name**	**CAS no.**	**EC no.**
1	**1-propoxypropan-2-ol**	**1569-01-3**	**216-372-4**
Evaluation	irritant	

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Reproduction toxicity
No data available

Carcinogenicity
No data available

STOT - single exposure
No data available

STOT - repeated exposure
No data available

Aspiration hazard
No data available

Endocrine disrupting properties
Product Name
Legamaster TZ6, TZ7, TZ8, TZ9 board cleaners
Pursuant to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605, the product does not contain any endocrine disruptors in a concentration of 0.1% weight by weight and above. Source supplier

11.2 Information on other hazards

Other information
No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**1-propoxypropan-2-ol**	**1569-01-3**		**216-372-4**
LC50	>	100		mg/l
Duration of exposure		96		h
Species	Oncorhynchus mykiss			
Method	ASTM E 729-88			
Source	supplier			
2	**propan-2-ol**	**67-63-0**		**200-661-7**
LC50		9640		mg/l
Duration of exposure		96		h
Species	Pimephales promelas			
Source	manufacturer			

Toxicity to fish (chronic)
No data available

Toxicity to Daphnia (acute)			
No	**Substance name**	**CAS no.**	**EC no.**
1	**1-propoxypropan-2-ol**	**1569-01-3**	**216-372-4**

EC50	>	100	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	ASTM Standard E729-88		
Source	supplier		

2	propan-2-ol	67-63-0	200-661-7

EC50		13299	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	manufacturer		

Toxicity to Daphnia (chronic)
No data available

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	1-propoxypropan-2-ol	1569-01-3	216-372-4

EC50	>	1000	mg/l
Duration of exposure		72	h
Species	Selenastrum capricornutum		
Method	EPA OTS 797.1050		
Source	supplier		

2	propan-2-ol	67-63-0	200-661-7

EC50	>	1000	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Source	manufacturer		

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	1-propoxypropan-2-ol	1569-01-3	216-372-4

Value		91.5	%
Duration		28	day(s)
Method	OECD 301 A		
Source	supplier		
Evaluation/classification	Readily biodegradable		

2	propan-2-ol	67-63-0	200-661-7

Value		95	%
Duration		21	day(s)
Method	OECD 301 E		
Source	manufacturer		
Evaluation	readily biodegradable		

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	1-propoxypropan-2-ol	1569-01-3	216-372-4

log Pow		0.621	
Reference temperature		20	°C
with reference to	pH 7		
Source	supplier		

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
Product Name	
Legamaster TZ6, TZ7, TZ8, TZ9 board cleaners	
PBT assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.
vPvB assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

No	Substance name	CAS no.	EC no.

1	1-propoxypropan-2-ol	1569-01-3	216-372-4
PBT assessment		The substance is not PBT.	
vPvB assessment		The substance is not vPvB.	

12.6 Endocrine disrupting properties

Endocrine disrupting properties
Product Name
Legamaster TZ6, TZ7, TZ8, TZ9 board cleaners
Pursuant to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605, the product does not contain any endocrine disruptors in a concentration of 0.1% weight by weight and above. Source supplier

12.7 Other adverse effects

No data available.

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

Residues 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.

SECTION 14: Transport information

14.1 UN number or ID number

Not classified as dangerous in the meaning of transport regulations.

14.2 UN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

14.3 Transport hazard class(es)

Not classified as dangerous in the meaning of transport regulations.

14.4 Packing group

Not classified as dangerous in the meaning of transport regulations.

14.5 Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

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, MIXTURES AND ARTICLES				
The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.				
No	**Substance name**	**CAS no.**	**EC no.**	**No**
1	**propan-2-ol**	**67-63-0**	**200-661-7**	**75**

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.
Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.
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 section.

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.
H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Creation of the 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.

Alterations/supplements:
Alterations to the previous edition are marked in the left-hand margin.

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