

**Safety Data Sheet**  
**in accordance with HSNO**

Printing date 15.03.2022

Version number 2.0 (replaces version 1.0)

Revision: 14.02.2022

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**SECTION 1: Identification of the substance or mixture and of the supplier**

- **Product identifier**
- **Trade name:** *MZ Wash*
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Cleaning material/ Detergent
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Menzerna polishing compounds GmbH & Co. KG  
Industriestraße 25  
76470 ÖTIGHEIM  
GERMANY  
sds@menzerna.com  
Tel.: +49 (0) 7222 9157-0  
www.menzerna.com
  
- New Zealand Distributor:  
Wyatt Machine Tools Rupes (NZ) Limited  
388 Church Street, Penrose, Auckland, New Zealand  
Ph (09) 525 1000
- **Further information obtainable from:** info@wyatt.co.nz
- **Emergency telephone number:** 0800 992 881 (0800WYATT1)

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**SECTION 2: Hazards identification**

- **Classification of the substance or mixture**



corrosion

- |                   |   |
|-------------------|---|
| Eye Dam. 1        | H318 Causes serious eye damage.                         |
| Acute Tox. 5      | H333 May be harmful if inhaled.                         |
| Skin Corr. 3      | H316 Causes mild skin irritation.                       |
| Aquatic Acute 3   | H402 Harmful to aquatic life.                           |
| Aquatic Chronic 3 | H412 Harmful to aquatic life with long lasting effects. |

- 
- **Label elements**
  - **GHS label elements**  
The product is classified and labelled according to the Globally Harmonised System (GHS).
  - **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
Isotridecanol, ethoxylated

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Trade name: **MZ Wash**

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2-butoxyethanol

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)

· **Hazard statements**

May be harmful if inhaled.

Causes mild skin irritation.

Causes serious eye damage.

Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Avoid release to the environment.

Wear eye protection / face protection.

IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

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/doctor.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

**SECTION 3: Composition/Information on ingredients**

· **Mixtures**

· **Description:** Mixture: consisting of the following components.

· **Dangerous components:**

CAS: 9043-30-5 Polymer	Isotridecanol, ethoxylated ☠ Eye Dam. 1, H318; ☠ Acute Tox. 4, H302	≥3-≤10%
CAS: 147170-44-3 EC number: 931-333-8	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts ☠ Eye Dam. 1, H318; Acute Tox. 5, H303; Acute Tox. 5, H313; Aquatic Chronic 3, H412	≥3-<10%
CAS: 68155-07-7 EC number: 931-329-6	Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl) ☠ Eye Dam. 1, H318; ☠ Aquatic Chronic 2, H411; ☠ Skin Irrit. 2, H315; Acute Tox. 5, H303; Acute Tox. 5, H313; Aquatic Acute 2, H401	≥3-<10%
CAS: 1335202-95-3 EC number: 931-216-1	Fettsäure, Reaktionsprodukt mit Triethanolamin, di-Me Sulfat quaterniert ☠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Acute Tox. 5, H303; Acute Tox. 5, H313	≤2.5%
CAS: 111-76-2 EINECS: 203-905-0	2-butoxyethanol ☠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Flam. Liq. 4, H227; Acute Tox. 5, H313	≤2.5%

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CAS: 101-86-0	alpha-Hexylcinnamaldehyde	(Contd. of page 2)
EINECS: 202-983-3	⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317	≥0.025-<0.1%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**  
Supply fresh air.  
Seek medical treatment in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. Then consult a doctor.  
Seek immediate medical advice.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; call for medical help immediately.
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
Treat according to symptoms.

**SECTION 5: Fire fighting measures**

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**  
In case of fire and/or explosion, do not inhale vapours.  
Adapt fire-fighting measures to the surroundings.  
Do not allow extinguishing water to reach sewage system/surface water/groundwater.  
Retain extinguishing water.  
Use usual fire extinguishing measures from a safe distance.
- **Protective equipment:** Wear self-contained respiratory protective device.

**SECTION 6: Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Keep unnecessary personnel away. Ensure adequate ventilation. Use personal protection recommended in section 8.
- **Environmental precautions:**  
Do not allow to enter sewers/ surface or ground water.  
Inform respective authorities in case of seepage into water course or sewage system.  
Keep contaminated washing water and dispose of appropriately.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.

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Send for recovery or disposal in suitable receptacles.  
Ensure adequate ventilation.

· **Reference to other sections**

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**SECTION 7: Handling and storage**

- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:**  
Store receptacle in a well ventilated area.  
Protect from frost.
- **Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

· **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**CAS: 111-76-2 2-butoxyethanol (≤2.5%)**

WES	Long-term value: 121 mg/m <sup>3</sup> , 25 ppm skin
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**CAS: 67-63-0 propan-2-ol (≤2.5%)**

WES	Short-term value: 1230 mg/m <sup>3</sup> , 500 ppm Long-term value: 983 mg/m <sup>3</sup> , 400 ppm
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· **DNELs**

**CAS: 147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts**

Oral	DNEL, general population, oral	7.5 mg/kg KG/d (general population)
Dermal	DNEL, general population, dermal	7.5 mg/kg KG/d (general population)
	DNEL, worker, dermal	12.5 mg/kg KG/d (worker)
Inhalative	DNEL, general population, inhalativ	13.04 mg/m <sup>3</sup> (general population)
	DNEL, worker, inhalativ	44 mg/m <sup>3</sup> (worker)

**CAS: 68155-07-7 Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)**

Oral	DNEL, general population, oral	6.25 mg/kg KG/d (general population)
Dermal	DNEL, general population, dermal	2.5 mg/kg KG/d (general population)
	DNEL, worker, dermal	4.16 mg/kg KG/d (worker)
Inhalative	DNEL, general population, inhalativ	21.73 mg/m <sup>3</sup> (general population)
	DNEL, worker, inhalativ	73.4 mg/m <sup>3</sup> (worker)

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<b>CAS: 1335202-95-3 Fettsäure, Reaktionsprodukt mit Triethanolamin, di-Me Sulfat quaterniert</b>		
Oral	DNEL, general population, oral	7.5 mg/kg KG/d (general population)
Dermal	DNEL, general population, dermal	187.5 mg/kg KG/d (general population)
	DNEL, worker, dermal	312.5 mg/kg KG/d (worker)
Inhalative	DNEL, general population, inhalativ	13 mg/m <sup>3</sup> (general population)
	DNEL, worker, inhalativ	44 mg/m <sup>3</sup> (worker)
<b>CAS: 111-76-2 2-butoxyethanol</b>		
Oral	DNEL, general population, oral	6.3 mg/kg KG/d (general population)
Dermal	DNEL, general population, dermal	75 mg/kg KG/d (general population)
	DNEL, worker, dermal	125 mg/kg KG/d (worker)
Inhalative	DNEL, general population, inhalativ	59 mg/m <sup>3</sup> (general population)
	DNEL, worker, inhalativ	98 mg/m <sup>3</sup> (worker)
<b>· PNECs</b>		
<b>CAS: 147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts</b>		
freshwater	0.013 µg/l (Süßwasser)	

· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**

· **Appropriate engineering controls** No further data; see item 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

Use skin protection cream for skin protection.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A/P2

· **Hand protection**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves**

Butyl rubber, BR

Recommended thickness of the material:  $\geq 0.4$  mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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- **Penetration time of glove material**  
≥ 480 min  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection** Safety glasses
- **Body protection:** Protective work clothing

**SECTION 9: Physical and chemical properties**

- **Information on basic physical and chemical properties**
- **General Information**
- **Colour:** Light orange colour
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **Melting point/freezing point:** Undetermined.
- **Boiling point or initial boiling point and boiling range** Undetermined.
- **Flammability** Not applicable.
- **Lower and upper explosion limit**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Flash point:** Not applicable.
- **Decomposition temperature:** Not determined.
- **pH at 20 °C (68 °F)** 6.7
- **Viscosity:**
- **Kinematic viscosity** Not determined.
- **Dynamic at 20 °C (68 °F):** 80 mPas (Brookfield 02/50)
- **Solubility**
- **water:** Fully miscible.
- **Partition coefficient n-octanol/water (log value)** Not determined.
- **Vapour pressure:** Not determined.
- **Density and/or relative density**
- **Density at 20 °C (68 °F):** ~1 g/cm<sup>3</sup> (~8.35 lbs/gal)
- **Relative density** Not determined.
- **Vapour density** Not determined.

- **Other information**
- **Appearance:**
- **Form:** Liquid
- **Important information on protection of health and environment, and on safety.**
- **Auto-ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Solvent content:**
- **VOC (EC)** <2.14 %
- **Change in condition**
- **Softening point/range**
- **Oxidising properties** Not determined.

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· <b>Evaporation rate</b>	Not determined.
· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Void
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	Void
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

**SECTION 10: Stability and reactivity**

- **Reactivity** None under normal conditions.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** oxidant
- **Hazardous decomposition products:** No dangerous decomposition products known.

**SECTION 11: Toxicological information**

- **Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**  
May be harmful if inhaled.

· <b>LD/LC50 values relevant for classification:</b>		
<b>CAS: 9043-30-5 Isotridecanol, ethoxylated</b>		
Oral	LD50	>2,000 mg/kg (rat)
<b>CAS: 147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts</b>		
Oral	LD50	2,335-2,430 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

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<b>CAS: 68155-07-7 Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)</b>		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rab)
<b>CAS: 1335202-95-3 Fettsäure, Reaktionsprodukt mit Triethanolamin, di-Me Sulfat quaterniert</b>		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
<b>CAS: 111-76-2 2-butoxyethanol</b>		
Oral	LD50	1,200 mg/kg (ATE) 1,414 mg/kg (Guinea pig)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	>3.9 mg/l (rat)

- **Skin corrosion/irritation**  
Causes mild skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information**

· **Toxicity**

· **Aquatic toxicity:**

<b>CAS: 147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts</b>		
	LC50/96h	1.11 mg/l (pimephales promelas)
	EC50 (48h)	1.9 mg/l (daphnia)
	LOEC (37d)	0.405 mg/l (Oncorhynchus mykiss)
	NOEC (28d)	0.16 mg/l (Oncorhynchus mykiss)
<b>CAS: 68155-07-7 Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)</b>		
	LC50/96h	2.4 mg/l (Oncorhynchus mykiss)
	EC50 (48h)	3.2 mg/l (daphnia)
	EC50 (72h)	6,000 mg/l (Pseudomonas putida)
	LOEC (21d)	0.24 mg/l (daphnia)
	LOEC (28d)	1 mg/l (Oncorhynchus mykiss)
	NOEC (3d)	2 mg/l (algae)

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	NOEC (21d)	0.07 mg/l (daphnia)
	NOEC (28d)	0.32 mg/l (Oncorhynchus mykiss)
	ErC50 (24h)	18.6 mg/l (algae)
	EbC50 (72h)	23.4 mg/l (algae)
	aquatic toxicity	0.83 g/l (Pseudomonas putida)
<b>CAS: 1335202-95-3 Fettsäure, Reaktionsprodukt mit Triethanolamin, di-Me Sulfat quaterniert</b>		
	LC50/96h	4.8 mg/l (Oncorhynchus mykiss)
	EC50 (72h)	1.9 mg/l (algae)
<b>CAS: 111-76-2 2-butoxyethanol</b>		
Sensitisation	Wachstum (EbCx) 10% (21d)	134 mg/l (daphnia)
	LC50/96h	1,474 mg/l (Oncorhynchus mykiss)
	EC50 (48h)	1,550 mg/l (daphnia)
	EC50 (21d)	297 mg/l (daphnia)
	NOEC (72h)	62.5 mg/l (Pseudokirchneriella subcapitata)
	NOEC (21d)	100 mg/l (daphnia)
	ErC50 (72h)	>1,000 mg/l (Pseudokirchneriella subcapitata)
	EbC50 (72h)	623 mg/l (algae)
	aquatic toxicity	679 g/l (Pseudokirchneriella subcapitata)
	Wachstum (EbCx) 10% (72h)	308 mg/l (Pseudokirchneriella subcapitata)
<b>Persistence and degradability</b>		
<b>CAS: 147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts</b>		
degradability	87.2 % /28 d (carbon dioxide generation)	
<b>CAS: 68155-07-7 Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)</b>		
degradability	92.5 % /28 d (carbon dioxide generation)	
<b>CAS: 1335202-95-3 Fettsäure, Reaktionsprodukt mit Triethanolamin, di-Me Sulfat quaterniert</b>		
degradability	100 % /28 d (carbon dioxide generation)	
<b>CAS: 111-76-2 2-butoxyethanol</b>		
degradability	90.4 % /28 d (carbon dioxide generation)	
<b>Bioaccumulative potential</b>		
<b>CAS: 147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts</b>		
BCF	3	
log KOW	4.44	
<b>CAS: 68155-07-7 Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)</b>		
BCF	65.36	
log KOW	1.35-4.84	
<b>CAS: 111-76-2 2-butoxyethanol</b>		
log KOW	0.81	
<b>CAS: 101-86-0 alpha-Hexylcinnamaldehyde</b>		
log KOW	5.3	

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- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **Other adverse effects**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system.  
Must not reach sewage water or drainage ditch undiluted or unneutralised.  
Danger to drinking water if even small quantities leak into the ground.  
Harmful to aquatic organisms

**SECTION 13: Disposal considerations**

- **Waste treatment methods**
- **Recommendation** Must be specially treated adhering to official regulations.
- **Waste disposal key:**  
Waste codes should be determined in consultation with the customer, supplier and disposal.
- **Uncleaned packaging:**
- **Recommendation:**  
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

**SECTION 14: Transport information**

· <b>UN number or ID number</b>	
· <b>ADR/RID, ADN, IMDG, IATA</b>	Void
· <b>UN proper shipping name</b>	
· <b>ADR/RID, ADN, IMDG, IATA</b>	Void
· <b>Transport hazard class(es)</b>	
· <b>ADR/RID, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>Packing group</b>	
· <b>ADR/RID, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b>	Not applicable.
· <b>Special precautions for user</b>	Not applicable.
· <b>Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>UN "Model Regulation":</b>	Void

NZ

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\* **SECTION 15: Regulatory information**

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **New Zealand Inventory of Chemicals**

All ingredients are listed.

· **HSNO Approval numbers**

CAS: 9043-30-5 | Isotridecanol, ethoxylated

HSR003352

CAS: 111-76-2 | 2-butoxyethanol

HSR001154

· **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS05

· **Signal word** Danger

· **Hazard-determining components of labelling:**

Isotridecanol, ethoxylated

2-butoxyethanol

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)

· **Hazard statements**

May be harmful if inhaled.

Causes mild skin irritation.

Causes serious eye damage.

Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Avoid release to the environment.

Wear eye protection / face protection.

IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

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/doctor.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

The details of the safety data sheet apply only to the product described in the context of its intended use.

The information is based on the current state of our knowledge. It is intended to describe our product in view of the risks posed by it and the relevant precautionary measures. It does not represent an assurance

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**Safety Data Sheet**  
**in accordance with HSNO**

Printing date 15.03.2022

Version number 2.0 (replaces version 1.0)

Revision: 14.02.2022

**Trade name: MZ Wash**

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of product and quality characteristics. The information in this safety data sheet is required under Article 31 and Annex II of Regulation EC (VO) no. 1907/2006.

· **Relevant phrases**

H227 Combustible liquid.  
H302 Harmful if swallowed.  
H303 May be harmful if swallowed.  
H313 May be harmful in contact with skin.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H400 Very toxic to aquatic life.  
H401 Toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

· **Department issuing SDS:** Product and Environmental Safety Department

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
VOC: Volatile Organic Compounds (USA, EU)  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 4: Flammable liquids – Category 4  
Acute Tox. 4: Acute toxicity – Category 4  
Acute Tox. 5: Acute toxicity – Category 5  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Skin Corr. 3: Skin corrosion/irritation – Category 3  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Skin Sens. 1: Skin sensitisation – Category 1  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2  
Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3  
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· \* **Data compared to the previous version altered.**