

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 22.04.2022

Version number 2 (replaces version 1)

Revision: 22.04.2022

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

- **1.1 Product identifier**
- **Trade name:** WHEEL&TYRE CLEANER
- **UFI:** GFQ5-409X-800K-YCF4
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages**
  - C Consumer use
  - PW Widespread use by professional workers
- **Sector of Use**
  - SU21 Consumer uses: Private households / general public / consumers
  - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category PC35** Washing and cleaning products (including solvent based products)
- **Application of the substance / the mixture** Exterior vehicle cleaner
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
  - MA-FRA S.p.A. a Socio Unico
  - Via Aquileia, 44/46
  - 20021 Baranzate (MI) ITALIA
  - Tel. +39 023569981
  - [www.mafra.com](http://www.mafra.com)
  - [mafra@mafra.it](mailto:mafra@mafra.it)
- **Informing department:** [info@mafra.it](mailto:info@mafra.it)
- **1.4 Emergency telephone number:** In case of accident call the emergency number 112

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.  
Eye Dam. 1 H318 Causes serious eye damage.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard-determining components of labelling:**
  - 2-aminoethanol
  - Ethoxy Alcohol C9-C11
  - Alkyl Polyglucosyde C10-C16
- **Hazard statements**
  - H314 Causes severe skin burns and eye damage.

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**- Precautionary statements**

- P102 Keep out of reach of children.  
P280 Wear protective gloves / eye protection / face protection.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulation

**- 2.3 Other hazards****- Results of PBT and vPvB assessment****- PBT:** Not applicable.**- vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****- 3.2 Mixtures****- Description:** Mixture of substances**- Dangerous components:**

CAS: 78330-20-8 EC number: 616-607-4	Ethoxy Alcohol C9-C11 ☞ Eye Dam. 1, H318; ☞ Acute Tox. 4, H302	3-5%
CAS: 64-02-8 EINECS: 200-573-9 Reg.nr.: 01-2119486762-27	tetrasodium ethylenediaminetetraacetate ☞ STOT RE 2, H373; ☞ Eye Dam. 1, H318; ☞ Acute Tox. 4, H302; Acute Tox. 4, H332	3-5%
CAS: 51981-21-6 EINECS: 257-573-7 Reg.nr.: 01-2119493601-38	glutamic acid, N,N-diacetic acid, tetrasodium salt ☞ Met. Corr. 1, H290	3-5%
CAS: 68515-73-1 NLP: 500-220-1 Reg.nr.: 01-2119488530-36	Alkyl polyglucosyde C8-C10 ☞ Eye Dam. 1, H318	1-<3%
CAS: 1310-58-3 EINECS: 215-181-3 Reg.nr.: 01-2119487136-33	potassium hydroxide ☞ Met. Corr. 1, H290; Skin Corr. 1A, H314; ☞ Acute Tox. 4, H302 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0.5 % ≤ C < 2 % Eye Irrit. 2; H319: 0.5 % ≤ C < 2 %	1-<3%
CAS: 7758-29-4 EINECS: 231-838-7 Reg.nr.: 01-2119430450-54	pentasodium triphosphate ☞ Acute Tox. 4, H302	1-<3%
CAS: 102-71-6 EINECS: 203-049-8 Reg.nr.: 01-2119486482-31	Triethanolamine ☞ Eye Irrit. 2, H319	1-<3%
CAS: 39464-70-5 EC number: 609-691-9 Reg.nr.: 01-2120771013-65	Polyarylether phosphate ☞ Eye Dam. 1, H318; ☞ Skin Irrit. 2, H315	1-<3%

**- Regulation (EC) No 648/2004**

non-ionic surfactants	≥5 - <15%
EDTA and salts thereof, polycarboxylates, phosphates, anionic surfactants, phosphonates, perfumes	<5%

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

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### **SECTION 4: First aid measures**

#### **- 4.1 Description of first aid measures**

##### **- General information**

Instantly remove any clothing soiled by the product.

No special measures required.

##### **- After inhalation**

In case of unconsciousness bring patient into stable side position for transport.

Supply fresh air; consult doctor in case of symptoms.

##### **- After skin contact**

Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

##### **- After eye contact**

Rinse opened eye for several minutes under running water. Then consult doctor.

Use eye protection.

##### **- After swallowing**

Do not induce vomiting; instantly call for medical help.

Drink copious amounts of water and provide fresh air. Instantly call for doctor.

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

Sickness

No further relevant information available.

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

If swallowed, gastric irrigation

Medical supervision for at least 48 hours

### **SECTION 5: Firefighting measures**

#### **- 5.1 Extinguishing media**

##### **- Suitable extinguishing agents**

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Use fire fighting measures that suit the environment.

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

Can be released in case of fire

Carbon monoxide (CO)

#### **- 5.3 Advice for firefighters**

##### **- Protective equipment:**

Do not inhale explosion gases or combustion gases.

Protection means for respiratory tract

##### **- Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### **SECTION 6: Accidental release measures**

#### **- 6.1 Personal precautions, protective equipment and emergency procedures** Protective gloves. (EN 374)

##### **- For non-emergency personnel**

Ensure adequate ventilation

Keep away from ignition sources

Wear protective clothing.

##### **- For emergency responders**

Butyl rubber, BR

Recommended thickness of the material:  $\geq 0.11$  mm

Nitrile rubber, NBR

#### **- 6.2 Environmental precautions:**

Inform respective authorities in case product reaches water or sewage system.

Dilute with much water.

Do not allow to enter drainage system, surface or ground water.

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

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

**- 6.4 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 information on disposal.

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

Use only in well ventilated areas.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Do not eat, drink or smoke while working.

**- Information about protection against explosions and fires: Protect from heat.****- 7.2 Conditions for safe storage, including any incompatibilities****- Storage****- Requirements to be met by storerooms and containers:** Store only in the original container.**- Information about storage in one common storage facility:** Do not store together with acids.**- Further information about storage conditions:** Keep container tightly sealed.**- Class according to regulation on inflammable liquids:** Void**- 7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****- 8.1 Control parameters****- Components with limit values that require monitoring at the workplace:****1310-58-3 potassium hydroxide**WEL Short-term value: 2 mg/m<sup>3</sup>**- DNELs****64-02-8 tetrasodium ethylenediaminetetraacetate**

Oral	Systemic Long-term Effects	25 mg/Kg bw/day (Consumers)
Inhalative	Local long-term effects	1.5 mg/m <sup>3</sup> (Industrial Workers)
		0.6 mg/m <sup>3</sup> (Consumers)
	Local short-term effects	3 mg/m <sup>3</sup> (Industrial Workers)
		1.2 mg/m <sup>3</sup> (Consumers)
	Systemic long-term effects	1.5 mg/m <sup>3</sup> (Industrial Workers)
		0.6 mg/m <sup>3</sup> (Consumers)
	Systemic Short-term Effects	2.5 mg/m <sup>3</sup> (Industrial Workers)
		1.5 mg/m <sup>3</sup> (Consumers)
<b>51981-21-6 glutamic acid, N,N-diacetic acid, tetrasodium salt</b>		
Oral	Systemic Long-term Effects	1.5 mg/Kg bw/day (Consumers)
Dermal	Systemic long-term effects	15,000 mg/Kg bw/day (Industrial Workers)
		7,500 mg/Kg bw/day (Consumers)
Inhalative	Systemic long-term effects	7.3 mg/m <sup>3</sup> (Industrial Workers)
		1.8 mg/m <sup>3</sup> (Consumers)

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**68515-73-1 Alkyl polyglucosyde C8-C10**

Oral	Systemic Long-term Effects	35.7 mg/Kg bw/day (Consumers)
Dermal	Systemic long-term effects	595,000 mg/Kg bw/day (Industrial Workers)
		357,000 mg/Kg bw/day (Consumers)
Inhalative	Systemic long-term effects	420 mg/m <sup>3</sup> (Industrial Workers)
		124 mg/m <sup>3</sup> (Consumers)

**1310-58-3 potassium hydroxide**

Inhalative	Local long-term effects	1 mg/m <sup>3</sup> (Industrial Workers)
		1 mg/m <sup>3</sup> (Consumers)
	Systemic long-term effects	1 mg/m <sup>3</sup> (Industrial Workers)
		1 mg/m <sup>3</sup> (Consumers)

**7758-29-4 pentasodium triphosphate**

Oral	Systemic Long-term Effects	0.75 mg/Kg bw/day (Consumers)
	Systemic short-term effects	0.75 mg/m <sup>3</sup> (Consumers)
Dermal	Systemic long-term effects	0.375 mg/Kg bw/day (Industrial Workers)
		0.375 mg/Kg bw/day (Consumers)
	Systemic Short-term Effects	0.375 mg/Kg bw/day (Industrial Workers)
Inhalative		0.375 mg/Kg bw/day (Consumers)
	Systemic long-term effects	0.661 mg/m <sup>3</sup> (Industrial Workers)
		0.661 mg/m <sup>3</sup> (Consumers)
	Systemic Short-term Effects	0.661 mg/m <sup>3</sup> (Industrial Workers)
		0.66 mg/m <sup>3</sup> (Consumers)

**102-71-6 Triethanolamine**

Oral	Systemic Long-term Effects	13 mg/Kg bw/day (Consumers)
Dermal	Systemic long-term effects	6.3 mg/Kg bw/day (Industrial Workers)
		3.1 mg/Kg bw/day (Consumers)
Inhalative	Systemic long-term effects	5 mg/m <sup>3</sup> (Industrial Workers)
		1.25 mg/m <sup>3</sup> (Consumers)

**2809-21-4 1-hydroxy ethylidene-1,1diphosphonic acid**

Oral	Systemic Long-term Effects	13 mg/Kg bw/day (Consumers)
	Systemic short-term effects	13 mg/m <sup>3</sup> (Industrial Workers)
Dermal		6.5 mg/m <sup>3</sup> (Consumers)
	Systemic long-term effects	13 mg/Kg bw/day (Industrial Workers)

**111-42-2 2,2'-iminodiethanol**

Oral	Systemic Long-term Effects	0.06 mg/Kg bw/day (Consumers)
Dermal	Systemic long-term effects	0.13 mg/Kg bw/day (Industrial Workers)
		0.07 mg/Kg bw/day (Consumers)
Inhalative	Local long-term effects	1 mg/m <sup>3</sup> (Industrial Workers)
		0.25 mg/m <sup>3</sup> (Consumers)

**- PNECs****64-02-8 tetrasodium ethylenediaminetetraacetate**

PNEC STP	43 mg/L (STP)
Soil	0.72 mg/Kg (Soil)
Soft Water	2.2 mg/L (Water)
Sea water	0.22 mg/L (Water)
Occasional Emission	1.2 mg/L (Water)

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**51981-21-6 glutamic acid, N,N-diacetic acid, tetrasodium salt**

PNEC STP	41.2 mg/L (STP)
Soil	0.5 mg/Kg (Soil)
Soft Water	9.45 mg/L (Water)
Sea water	0.945 mg/L (Water)

**68515-73-1 Alkyl polyglucosyde C8-C10**

PNEC STP	560 mg/L (STP)
Soil	0.654 mg/Kg (Soil)
Soft Water	0.176 mg/L (Water)
Sea water	0.0176 mg/L (Water)
Sediment (soft water)	1.516 mg/Kg (Soil)
Sediment (sea water)	0.152 mg/Kg (Soil)

**7758-29-4 pentasodium triphosphate**

Soil	0.14 mg/Kg (Soil)
Soft Water	0.005 mg/L (Water)
Sea water	0.005 mg/L (Water)
Sediment (soft water)	0.19 mg/Kg (Soil)

**102-71-6 Triethanolamine**

PNEC STP	10 mg/L (STP)
Soil	0.15 mg/Kg (Soil)
Soft Water	0.32 mg/L (Water)
Sea water	0.03 mg/L (Water)
Sediment (soft water)	1.7 mg/Kg (Soil)
Sediment (sea water)	0.17 mg/Kg (Soil)
Occasional Emission	5.12 mg/L (Water)

**2809-21-4 1-hydroxy ethylidene-1,1diphosphonic acid**

PNEC STP	20 mg/L (STP)
Soil	96 mg/Kg (Soil)
Soft Water	0.136 mg/L (Water)
Sea water	0.0136 mg/L (Water)
Sediment (soft water)	59 mg/Kg (Soil)
Sediment (sea water)	5.9 mg/Kg (Soil)

**111-42-2 2,2'-iminodiethanol**

PNEC STP	100 mg/L (STP)
Soil	0.0012 mg/Kg (Soil)
Soft Water	0.0022 mg/L (Water)
Sea water	0.00022 mg/L (Water)
Sediment (soft water)	0.012 mg/Kg (Soil)
Sediment (sea water)	0.0012 mg/Kg (Soil)

- **Additional information:** The lists that were valid during the compilation were used as basis.

**- 8.2 Exposure controls**

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

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

- **General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

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- **Breathing equipment:** Not required.
- **Hand protection**



Protective gloves. (EN 374)

Alkaline resistant gloves

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

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

Butyl rubber, BR

Recommended thickness of the material:  $\geq 0.11$  mm

Nitrile rubber, NBR

- **Penetration time of glove material**

For the mixture of chemicals mentioned below the penetration time has to be at least 60 minutes (Permeation according to EN 16523-1:2015: Level 3).

- **Eye/face protection**



Tightly sealed safety glasses.

- **Environmental exposure controls** Disposal must be made according to official regulations.

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Physical state**

Fluid

- **Colour:**

Orange

- **Odour:**

Pleasant

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

Not determined

- **Boiling point or initial boiling point and boiling range**

100 °C (7732-18-5 water, distilled, conductivity or of similar purity)

- **Flammability**

Not applicable.

- **Lower and upper explosion limit**

- **Lower:**

Not determined.

- **Upper:**

Not determined.

- **Flash point:**

Not applicable

- **Self-inflammability:**

Product is not selfigniting.

- **Decomposition temperature:**

Not determined.

- **pH at 20 °C**

&gt;12

- **Viscosity:**

- **Kinematic viscosity**

Not determined.

- **dynamic:**

Not determined.

- **Solubility**

- **Water:**

Fully miscible

- **Partition coefficient n-octanol/water (log value)**

Not determined.

- **Vapour pressure at 20 °C:**

23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)

- **Density and/or relative density**

- **Density at 20 °C**

1.06 g/cm<sup>3</sup>

- **Relative density**

Not determined.

- **Vapour density**

Not determined.

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**- 9.2 Other information****- Appearance:****- Form:** Liquid**- Important information on protection of health and environment, and on safety.****- Explosive properties:** Product is not explosive.**- Change in condition****- Evaporation rate** Not determined.**- Information with regard to physical hazard classes****- Explosives** Void**- Flammable gases** Void**- Aerosols** Void**- Oxidising gases** Void**- Gases under pressure** Void**- Flammable liquids** Void**- Flammable solids** Void**- Self-reactive substances and mixtures** Void**- Pyrophoric liquids** Void**- Pyrophoric solids** Void**- Self-heating substances and mixtures** Void**- Substances and mixtures, which emit flammable gases in contact with water** Void**- Oxidising liquids** Void**- Oxidising solids** Void**- Organic peroxides** Void**- Corrosive to metals** Void**- Desensitised explosives** Void**SECTION 10: Stability and reactivity****- 10.1 Reactivity** Stable under normal conditions**- 10.2 Chemical stability****- Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**- 10.3 Possibility of hazardous reactions** Reacts with acids**- 10.4 Conditions to avoid** No further relevant information available.**- 10.5 Incompatible materials:** Reacts with strong acids**- 10.6 Hazardous decomposition products:** No dangerous decomposition products known**SECTION 11: Toxicological information****- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****- Acute toxicity****- LD/LC50 values that are relevant for classification:****78330-20-8 Ethoxy Alcohol C9-C11**

Oral LD50 300-2,000 mg/Kg (Rat)

**64-02-8 tetrasodium ethylenediaminetetraacetate**

Oral LD50 1,780 mg/Kg (Rat)

**51981-21-6 glutamic acid, N,N-diacetic acid, tetrasodium salt**

Oral LD50 &gt;2,000 mg/Kg (Rat)

Dermal LD50 &gt;2,000 mg/Kg (Rat)

**68515-73-1 Alkyl polyglucosyde C8-C10**

Oral LD50 &gt;2,000 mg/Kg (Rat)

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Dermal	LD50	>2,000 mg/Kg (Rat)
<b>7758-29-4 pentasodium triphosphate</b>		
Oral	LD50	2,000 mg/Kg (Rat)
Dermal	LD50	4,640 mg/Kg (Rabbit)
<b>102-71-6 Triethanolamine</b>		
Oral	LD50	6,400 mg/Kg (Rat)
Dermal	LD50	>2,000 mg/Kg (Rabbit)
<b>111-42-2 2,2'-iminodiethanol</b>		
Oral	LD50	1,600 mg/Kg (Rat)
		1,600 mg/Kg (Rat)
Dermal	LD50	12,200 mg/Kg (Rabbit)

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

- **Serious eye damage/irritation** Causes serious eye damage.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

## SECTION 12: Ecological information

### - 12.1 Toxicity

#### - Aquatic toxicity:

<b>78330-20-8 Ethoxy Alcohol C9-C11</b>	
LC50 (96h)	>100 mg/L (Fish)
EC50 (48h)	>100 mg/L (Daphnia)
EC50 (72h)	>100 mg/L (Algae)
<b>64-02-8 tetrasodium ethylenediaminetetraacetate</b>	
LC50 (96h)	>100 mg/L (Fish)
EC50 (48h)	140 mg/L (Daphnia)
EC50 (72h)	>100 mg/L (Algae)
<b>51981-21-6 glutamic acid, N,N-diacetic acid, tetrasodium salt</b>	
LC50 (96h)	>100 mg/L (Fish)
EC50 (48h)	>100 mg/L (Daphnia)
<b>68515-73-1 Alkyl polyglucosyde C8-C10</b>	
LC50 (96h)	126 mg/L (Fish)
EC50 (48h)	>100 mg/L (Daphnia)
EC50 (72h)	27.22 mg/L (Algae)
<b>1310-58-3 potassium hydroxide</b>	
LC50 (96h)	80 mg/L (Fish)
<b>102-71-6 Triethanolamine</b>	
LC50 (96h)	11,800 mg/L (Fish)
EC50 (48h)	609.88 mg/L (Daphnia)
EC50 (72h)	512 mg/L (Algae)
<b>2809-21-4 1-hydroxy ethylidene-1,1diphosphonic acid</b>	
LC50 (96h)	195 mg/L (Fish)
EC50 (48h)	527 mg/L (Daphnia)
EC50 (96h)	7.2 mg/L (Algae)

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**111-42-2 2,2'-iminodiethanol**

LC50 (96h) 1,460 mg/L (Fish)

EC50 (48h) 55 mg/L (Daphnia)

EC50 (96h) 2.2 mg/L (Algae)

- **12.2 Persistence and degradability** The contained surfactants are easily biodegradable- **12.3 Bioaccumulative potential** No further relevant information available.- **12.4 Mobility in soil** No further relevant information available.- **12.5 Results of PBT and vPvB assessment**- **PBT:** Not applicable.- **vPvB:** Not applicable.- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.- **12.7 Other adverse effects**- **Additional ecological information:**- **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

**SECTION 13: Disposal considerations**- **13.1 Waste treatment methods**- **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**- **Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information**- **14.1 UN number or ID number**- **ADR, IMDG, IATA**

UN1719

- **14.2 UN proper shipping name**- **ADR, IMDG, IATA**

CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE, tetrasodium ethylenediaminetetraacetate)

- **14.3 Transport hazard class(es)**- **ADR, IMDG, IATA**- **Class**

8 Corrosive substances.

- **Label**

8

- **14.4 Packing group**- **ADR, IMDG, IATA**

II

- **14.5 Environmental hazards:**

Not applicable.

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**Trade name: WHEEL&TYRE CLEANER**

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- 14.6 Special precautions for user	Warning: Corrosive substances.
- Kemler Number:	80
- EMS Number:	F-A,S-B
- Segregation groups	Alkalis
- Stowage Category	A
- Segregation Code	SG22 Stow "away from" ammonium salts SG35 Stow "separated from" SGG1-acids

- 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

- Transport/Additional information:

- ADR

- Limited quantities (LQ) 1L

- Excepted quantities (EQ) Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml

- Transport category 2

- Tunnel restriction code E

- IMDG

- Limited quantities (LQ) 1L

- Excepted quantities (EQ) Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml

### SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- National regulations
- Classification according to VbF: Void
- Technical instructions (air):

Class	Share in %
NK	0.3

- Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

- Relevant phrases
- H290 May be corrosive to metals.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H373 May cause damage to organs through prolonged or repeated exposure.
- Department issuing data specification sheet: Ma-Fra Laboratories
- Contact: lab@mafra.it
- Abbreviations and acronyms:
- ADR: Accord européen sur le transport 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

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*GHS: Globally Harmonised System of Classification and Labelling of Chemicals**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)**VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)**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**Met. Corr. 1: Corrosive to metals – Category 1**Acute Tox. 4: Acute toxicity – Category 4**Skin Corr. 1A: Skin corrosion/irritation – Category 1A**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Dam. 1: Serious eye damage/eye irritation – Category 1**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2***- \* Data compared to the previous version altered.**

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