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Revision: 23.11.2022

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

Printing date 23.11.2022 Version number 4 (replaces version 3)

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

- 1.1 Product identifier
- Trade name: POWER WHEEL
- **UFI**: CMD0-C02R-600D-WWM8
- -1.2 Relevant identified uses of the substance or mixture and uses advised against
- Life cycle stages PW Widespread use by professional workers
- Sector of Use 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

mafra@mafra.it

- Informing department:

E-mail: lab@mafra.it

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



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 GB CLP regulation.

- Hazard pictograms



GHS05

- Signal word Danger
- Hazard-determining components of labelling:

sodium hydroxide

1-hydroxy ethylidene-1,1diphosphonic acid

- Hazard statements

H314 Causes severe skin burns and eye damage.

- Precautionary statements

P102 Keep out of reach of children.
P260 Do not breathe mist/vapours/spray.

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P280 Wear protective gloves / eye protection / face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

CAS: 64-02-8	tetrasodium ethylenediaminetetraacetate	5-<10%
EINECS: 200-573-9 Reg.nr.: 01-2119486762-27	§ STOT RE 2, H373; § Eye Dam. 1, H318; ∮ Acute Tox. 4, H302; Acute Tox. 4, H332	-
CAS: 78330-20-8 EC number: 616-607-4	Ethoxy Alchol C9-C11 Eye Dam. 1, H318; Acute Tox. 4, H302	
CAS: 1310-73-2 EINECS: 215-185-5 Reg.nr.: 01-2119457892-27	sodium hydroxide Met. Corr.1, H290; Skin Corr. 1A, H314; Eye Dam. 1, H318 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 %	
CAS: 2809-21-4 EINECS: 220-552-8 Reg.nr.: 01-2119510391-53	1-hydroxy ethylidene-1,1diphosphonic acid Met. Corr.1, H290; Eye Dam. 1, H318; Acute Tox. 4, H302	
EINECS: 215-181-3	potassium hydroxide $\textcircled{Met. Corr. 1, H290; Skin Corr. 1A, H314; } \textcircled{Acute Tox. 4, H302}$ Specific concentration limits: Skin Corr. 1A; H314: $C \ge 5$ % Skin Corr. 1B; H314: 2 % $\le C < 5$ % Skin Irrit. 2; H315: 0.5 % $\le C < 2$ % Eye Irrit. 2; H319: 0.5 % $\le C < 2$ %	1-<3%
CAS: 68515-73-1 NLP: 500-220-1 Reg.nr.: 01-2119488530-36	Alkyl polyglucosyde C8-C10 ♦ Eye Dam. 1, H318	1-<3%

- Regulation (EC) No 648/2004

EDTA and salts thereof

non-ionic surfactants, phosphonates, perfumes (Alpha Hexyl Cinnamaldehyde, LINALOOL, (R)-p-mentha1,8-diene)

≥5 - <15%

<p>
1,8-diene)

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

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.

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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

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

Do not induce vomiting; instantly call for medical help.

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

Sickness

No further relevant information available.

- Danger Danger of gastric perforation.

- 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

CO2, 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

Product forms slippery surface when combined with water.

Particular danger of slipping on leaked/spilled product.

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

PVC gloves

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.

- 6.3 Methods and material for containment and cleaning up:

Dilute with much water.

Ensure adequate ventilation.

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

Use neutralising agent.

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Dispose of the material collected according to regulations.

- 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

Ensure good ventilation/exhaustion at the workplace.

Use only in well ventilated areas.

Store in cool, dry place in tightly closed containers.

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

- 6	8.1	Control	parameters
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- Components with limit values that require monitoring at the workplace

1310-58-3 potassium hydroxide

WEL Short-term value: 2 mg/m³

- DNELs

64-02-8 te	64-02-8 tetrasodium ethylenediaminetetraacetate		
Oral	Systemic Long-term Effects	25 mg/Kg bw/day (Consumers)	
Inhalative	Local long-term effects	1.5 mg/m³ (Industrial Workers)	
		0.6 mg/m³ (Consumers)	
	Local short-term effects	3 mg/m³ (Industrial Workers)	
		1.2 mg/m³ (Consumers)	
	Systemic long-term effects	1.5 mg/m³ (Industrial Workers)	
		0.6 mg/m³ (Consumers)	
	Systemic Short-term Effects	2.5 mg/m³ (Industrial Workers)	
		1.5 mg/m³ (Consumers)	
1310-73-2	sodium hydroxide		
Inhalative	Local long-term effects	1 mg/m³ (Industrial Workers)	
		1 mg/m³ (Consumers)	
	Local short-term effects	1 mg/m³ (Industrial Workers)	
		1 mg/m³ (Consumers)	
2809-21-4	1-hydroxy ethylidene-1,1dip	phosphonic acid	
Oral	Systemic Long-term Effects	13 mg/Kg bw/day (Consumers)	
	Systemic short-term effects	13 mg/m³ (Industrial Workers)	

6.5 mg/m³ (Consumers)

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D 1	G 1		(Contd. of page
Dermal Systemic long-term effects 1310-58-3 potassium hydroxide			13 mg/Kg bw/day (Industrial Workers)
	-	•	
Inhalative Local long-term effec		g-term effects	1 mg/m³ (Industrial Workers)
			1 mg/m³ (Consumers)
	Systemic l	ong-term effects	1 mg/m³ (Industrial Workers)
			1 mg/m³ (Consumers)
		yglucosyde C8-C1	
Oral	Systemic L	Long-term Effects	35.7 mg/Kg bw/day (Consumers)
Dermal	Systemic l	ong-term effects	595,000 mg/Kg bw/day (Industrial Workers)
			357,000 mg/Kg bw/day (Consumers)
Inhalative	Systemic l	ong-term effects	420 mg/m³ (Industrial Workers)
			124 mg/m³ (Consumers)
-PNECs			
64-02-8 ter	trasodium d	ethylenediamineto	etraacetate
PNEC STF)	43 mg/L (STP)	
Soil 0.72 mg/Kg (Soil		0.72 mg/Kg (Soil	
Soft Water 2.2 mg/L (Water)		2.2 mg/L (Water)	
Sea water 0.22 mg/L (Wate		0.22 mg/L (Wate	r)
Occasiona	l Emission	1.2 mg/L (Water)	
2809-21-4	1-hydroxy	ethylidene-1,1dip	hosphonic acid
PNEC STP)	20 mg/L (STP)	
Soil		96 mg/Kg (Soil)	
Soft Water		0.136 mg/L (Wat	er)
Sea water		0.0136 mg/L (Wo	ater)
Sediment (soft water)	59 mg/Kg (Soil)	
Sediment (sea water) 5.9 mg/Kg (Soil)		5.9 mg/Kg (Soil)	
68515-73-	l Alkyl pol	yglucosyde C8-C1	10
PNEC STP 560 mg/L (STP)		560 mg/L (STP)	
Soil 0.654 mg/Kg (Soi		0.654 mg/Kg (So	il)
Soft Water 0.176 mg/L (Water)		0.176 mg/L (Wat	er)
Sea water			
Sediment (soft water) 1.516 mg/Kg (Soil)			
Sediment (sea water) 0.152 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.

- Breathing equipment: Not required.
- Hand protection



Protective gloves. (EN 374)

Alkaline resistant gloves

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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

PVC gloves

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).

Not applicable.

- Eye/face protection



Tightly sealed safety glasses.

- Body protection: Alkaline resistant protective clothing
- 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
- Colour:
- Odour:
- Odour threshold:
- Pleasant
- Not determined.

- Melting point/freezing point: <0 °C - Boiling point or initial boiling point and boiling range >100 °C

- Flammability

- Lower and upper explosion limit

- Lower: Not determined.
- Upper: Not determined.
- Flash point: Not applicable

- Ignition temperature: n.a

- Decomposition temperature: Not determined.

-pH at 20 °C >12

- Viscosity:

- Kinematic viscosity- dynamic:Not determined.Not determined.

- Solubility

- Water: Fully miscible
- Partition coefficient n-octanol/water (log value) Not determined.

- Vapour pressure at 20 °C: 23 hPa

- Density and/or relative density

- Density at 20 °C
- Relative density
- Vapour density

1.1 g/cm³
Not determined.
Not determined.

- 9.2 Other information

- Appearance:

- Form: Fluid

-Important information on protection of health and environment, and on safety.

- Self-inflammability: Product is not selfigniting.
- Explosive properties: Product is not explosive.

- Change in condition

- Evaporation rate Not determined.

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- Information with regard to physical hazard cla	sses	
- 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 flammab	le 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:
64-02-8 tetrasodium ethylenediaminetetraacetate
Oral LD50 1,780 mg/Kg (Rat)
78330-20-8 Ethoxy Alchol C9-C11
Oral LD50 300-2,000 mg/Kg (Rat)
1310-73-2 sodium hydroxide
Oral LD50 2,000 mg/Kg (Rat)
68515-73-1 Alkyl polyglucosyde C8-C10
Oral LD50 >2,000 mg/Kg (Rat)
Dermal LD50 >2,000 mg/Kg (Rat)
Chin comparing limitation Causes serious skin houses and an element

- 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

1222-05-5 Abbalide

List II

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SECTION 12: Ecological information

- 12.1 Toxicity
- Aquatic toxicity:
64-02-8 tetrasodium ethylenediaminetetraacetate
LC50 (96h) >100 mg/L (Fish)
EC50 (48h) 140 mg/L (Daphnia)
EC50 (72h) >100 mg/L (Algae)
78330-20-8 Ethoxy Alchol C9-C11
LC50 (96h) >100 mg/L (Fish)
EC50 (48h) >100 mg/L (Daphnia)
EC50 (72h) > 100 mg/L (Algae)
1310-73-2 sodium hydroxide
LC50 (96h) 45 mg/L (Fish)
EC50 (48h) 40.4 mg/L (Daphnia)
LC50 (48h) 189 mg/L (Fish)
2809-21-4 1-hydroxy ethylidene-1,1diphosphonic acid
LC50 (96h) 195 mg/L (Fish)
EC50 (48h) 527 mg/L (Daphnia)
EC50 (96h) 7.2 mg/L (Algae)
1310-58-3 potassium hydroxide
LC50 (96h) 80 mg/L (Fish)
68515-73-1 Alkyl polyglucosyde C8-C10
LC50 (96h) 126 mg/L (Fish)
EC50 (48h) >100 mg/L (Daphnia)

- -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 For information on endocrine disrupting properties see section 11.
- 12.7 Other adverse effects
- Additional ecological information:

EC50 (72h) 27.22 mg/L (Algae)

- General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

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

Danger to drinking water if even small quantities leak into soil.

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.

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.

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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 informati	ion
- 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. (SODIUM HYDROXID POTASSIUM HYDROXIDE)
- 14.3 Transport hazard class(es)	
- ADR, IMDG, IATA	
- Class - Label	8 Corrosive substances.
- 14.4 Packing group - ADR, IMDG, IATA	II
- 14.5 Environmental hazards: - Marine pollutant:	No
 14.6 Special precautions for user Kemler Number: EMS Number: Segregation groups Stowage Category Segregation Code 	Warning: Corrosive substances. 80 F-A,S-B (SGG18) Alkalis A SG22 Stow "away from" ammonium salts SG35 Stow "separated from" SGG1-acids
- 14.7 Maritime transport in bulk according instruments	g to IMO Not applicable.
- Transport/Additional information: - ADR - Limited quantities (LQ) - Excepted quantities (EQ)	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
 Transport category Tunnel restriction code IMDG Limited quantities (LQ) 	2 E 1L
- Elimieu quantities (EQ) - Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

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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
- Water hazard class: Water hazard class 2 (Self-assessment): 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.

H318 Causes serious eye damage.

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

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 (UK REACH)

PNEC: Predicted No-Effect Concentration (ÚK 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

Eye Dam. 1: Serious eye damage/eye irritation – Čategory 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

- * Data compared to the previous version altered.

GB