

Safety Data Sheet

according to Regulation (EC) No 1907/2006



POWER-CLEAN

Compilation date: 12.09.2017
Revision date: 18.12.2017

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

1.1 Product identifier

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

Use of the substance/mixture

Concentrated grill cleaner

Uses advised against

Not suitable for alkali-sensitive materials. Contact with acids liberates toxic gas. Contact with strong acids leads to violent reactions under heat development.

1.3 Details of the supplier of the safety data sheet

Company name : Arcora International GmbH
Street : Marsstraße 9
Place: 85609 Aschheim by Munich
Germany
Tel: +49 (0)89 / 14 33 29 3-0
Fax: +49 (0)89 / 14 33 29 3-29
E-Mail: info@arcora.de

1.4. Emergency telephone number: + 49 (0) 89 / 14 33 29 3-10

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Met. Corr. 1 (corrosive to metals, category 1, H290)

Skin Corr. 1A (Skin corrosion/irritation 1A, H314)

Eye Dam. 1 Serious eye damage/eye irritation 1, H318)

Hazard Statements:

May be corrosive to metals.

Causes severe skin burns and eye damage..

2.2. Label elements

Signal word: Danger
Pictograms: GHS05



Hazard statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

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Precautionary statements

- P102: Keep out of the reach of children.
P280: Wear protective gloves/protective clothing/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/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 Immediately call a POISON CENTER/doctor.

2.3. Other dangers

This substance is not identified as a PBT substance.

SECTION 3: Composition / information on ingredients

3.1 Mixtures

Hazardous components

EG-No.	designation	Quantity
CAS-No.		
Index-No.	Classification according to regulation (EG) No. 1272/2008 CLP]	
REACH-No.		
215-181-3	Potassium hydroxide (45%)	5 -15 %
26288-25-5		
019-002-00-8	Met. Corr. 1 H290, Acute Tox. 4 H302, Skin Corr. 1A H314	
250-913-5, 248-827-8	Sodiumcumenesulfonate, Potassiumcumenesulfonate	< 5 %
28348-53-0, 28085.69-0		
	Eye Irrit 2 H319	
	Anionic surfactant TRIDECETH-5	< 5 %
69011-36-5		
	Eye Dam. 1 H318	
	C9-11 Pareth-8 nonionic surfactant	< 5 %
68439-46-3		
	Acute Tox 4 H302, Eye Dam 1 H318	

Full text of H and EUH statements: see section 16.

Labelling for contents according to Regulation (EC) No. 648/2004

< 5 % non-ionic surfactants, perfumes, hydroxide solution.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.
Never give anything by mouth to an unconscious person or a person with cramps.
If unconscious place in recovery position and seek medical advice.

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Remove affected persons from danger zone. Supply fresh air.

After contact with skin

Immediately remove any contaminated clothing, shoes or stockings.
After contact with skin, wash immediately with plenty of water and soap.
Do not wash with: Solvents/Thinner.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.
Seek medical advice immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious).
Call a physician immediately.
Put victim at rest, cover with a blanket and keep warm.
Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

If applicable, delayed occurring symptoms and effect may be found in section 11 or at the uptake routes in section 4.1.

4.3 Indication of any immediate medical attention and special treatment needed

No relevant data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO₂), Extinguishing powder, Water mist

Unsuitable extinguishing media

High power water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: Hydrocarbons

Risk of exposure

Hazardous combustion products: Conflagration gases from organic materials are always rated toxic for breathing.

5.3. Advice for firefighters

Special protective equipment for firefighters Protective clothing. Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Contaminated fire extinguishing water must be disposed of in accordance with local regulations. Do not allow them to enter the drainage system or water.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition - No smoking. Ventilate affected area.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Safe handling: see section 7
Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Methods of cleaning

Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Collect in closed and suitable containers for disposal. Disposal: see section 13
Clean with detergents. Avoid solvent cleaners.

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Care for a good ventilation of the workingroom.
Do not breathe gas/fumes/vapour/spray. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Thorough skin-cleansing after handling the product. Do not put any product-impregnated cleaning rags into your trouser pockets. Keep the packing dry and well sealed to prevent contamination and absorption of humidity. When diluting/dissolving, always have the water ready first, then slowly stir in the product.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Store only in original container and keep locked up.

Suitable packaging: No particular demands

Hints for combined storage:

Store only in original container and keep locked up.
Appropriate according to TRGS 510: 8B
(Non flammable, corrosive hazardous substances)

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Further information on storage conditions:

Notice the directions for use on the label. storage temperature of 5°C up to 25°C. Keep container tightly closed in a cool, well-ventilated place. Protect from sunlight. Keep away from sources of ignition - No smoking. Store in a place accessible by authorized persons only. Always close containers tightly after the removal of product.

7.3 Specific end-use(s):

Not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational limit value (TRGS 900)

The product does not contain any relevant quantities of materials with work related, to be observed limits.

Biological limit values (TRGS 903)

The product does not contain any relevant quantities of materials with mit biological to be observed limits.

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation. If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Protective and hygiene measures

See Section 7.: Additional measures necessary.

Eye/face protection

Suitable eye protection: Dust protection eye glasses/Face protection shield (DIN EN 166)

Skin protection

Use alkali-resistant protective gloves (EN 374). Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The glove material has to be impermeable and resistant to the product/the substance/the preparation. Check protective gloves prior to each use for their proper condition. To avoid skin problems reduce the wearing of gloves to the required minimum.

Hand protection:

Butyl rubber – butyl recommended material thickness: $\geq 0,5$ mm. The selection of the suitable gloves does not only depend on the material, also on further marks of quality and varies from manufacturer to manufacturer.

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The breakthrough time of the glove material:

Breakthrough time maximum wearing time: ≥ 8 hours (DIN EN 374).
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
Protective gloves should be replaced at first signs of wear.

Not suitable are gloves made of the following materials:

fabric, leather

Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values.

Use suitable breathing apparatus.

Body protection

Protective clothing (for example: safety shoes EN ISO 20345, long-sleeved shirts)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	clear
Odour:	perfumed
pH-Value (at 20 °C):	~ 13,5
Boiling point:	~ 100 °C

Explosive properties

inexplosive

Vapour pressure:	not determined.
Relative density:	~ 1,115 g/ml
Water solubility:	soluble

9.2 Other information:

Solid content:	Not determined
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SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

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10.3 Possibility of hazardous reactions

Exothermic reaction with: Oxidising agent, Strong acid, Strong alkali

10.4 Conditions to avoid

See section 7. Protect from frost.

10.5 Incompatible materials

Not suitable for acid sensitive materials.

10.6 Hazardous decomposition products

Hazardous products of decomposition are not known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicokinetics, metabolism and distribution

Other information about harmful effects: see Section 2

Akute toxicity

CAS-No.	Designation				
	Route of exposure	method	dose	species	source
	Potassium hydroxide (45 %)				
	oral	LD50	500 mg/kg		
	Nonionic surfactants				
	oral	LD50	500 mg/kg		
	ATE (mix)				
	oral		4970 mg/kg		

Symptoms / absorption route

Corrosive/irritant to skin:

Concern:

Caustic ptach brine (45 %), 5 % -15 %, additive,

The substance in category 1A

SCL: category 1A: 5 %

Category 1B: 2 %

Category 1C: 2 %

Category 2: 0,5 %

Nonionic surfactant < 5% additive,

Classification of the substance: category 2

SCL: Category 2: 10% (general limit)

Result: The mixture is classified in category 1A.

Irritation an corrosivity to eyes

Category 1A corrosive materials cause serious eye damage.

Protection as airways/skin

Not classified.

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Specific target organ-toxicity (single exposure)

Not classified.

CMR-effect (carcinogenicity, mutagenicity and toxicity for reproduction).

Carcinogenicity: not classified

Mutagenicity: not classified

Teratogenicity: not classified

SECTION 12: Ecological information

12.1 Toxicity

Öcotoxicity

Ecotoxicological data are not available for the mixture.

12.2 Persistence and degradability

Biodegradability

	Inoculum	parameter	Decomposition rate	method	note
Mixture			> 90 %	OECD 301A (95 % 21d mod. OECD Screening- Test)	Easily biodegradable

12.3 Bioaccumulation potential

Not available

12.4 Mobility in soil

Dissolved in water

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects

The product has not been tested. The information applies to the components with the highest toxicological risk.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Product must be disposed in accordance with official local regulations

Waste codes product

070699 Waste a.n.g.

200129 Detergents containing dangerous substances

The waste code numbers mentioned are recommendations based on the probable use of the product. The particular application and local disposal situation obtaining for the user may lead to other waste codes being assigned as well.

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Disposal of uncleaned packings and recommended cleaning


Observe official regulations. Non contaminated packaging can be re-used. Packagings that cannot be cleaned are to be disposed off in the same manner as the product.

Note

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14: Transport information

Overland transport (ADR/RID)

14.1 UN-number	UN 1719
14.2 UN proper shipping name	CAUSTIC ALKALI LIQUID, N.O.S. Potassium hydroxide
14.3 The transport hazard class	8
14.4 Packing group	II
Hazard label:	8 
Special provisions:	274
Limited quantity: (LQ):	1 L
Hazard No:	80
Tunnel restriction code:	E

Other relevant information about overland transport

lapse

Inland waterways transport (ADN)

14.1 UN-number	UN 1719
14.2 UN proper shipping name	CAUSTIC ALKALI LIQUID, N.O.S. Potassium hydroxide
14.3 The transport hazard class	8
14.4 Packing group	II
Hazard label:	8

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Other relevant information about inland waterways transport

lapse

Marinetransport (IMDG)

14.1 UN-number

UN 1719

14.2 UN proper shipping name

Caustic alkali liquid fluid n.o.s Potassium hydroxide solution

14.3 The transport hazard class

8

14.4 Packing group

II

Hazard label:

8



Other relevant information about marinetransport

lapse

Air transport (ICAO)

14.1 UN-number

UN 1719

14.2 UN proper shipping name

Caustic alkali liquid fluid n.o.s Potassium hydroxide solution

14.3 The transport hazard class

8

14.4 Packing group

II

Hazard label:

8



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Other relevant information about air transport

lapse

14.5 Special precautions for user

Information not provided.

14.6 environmental hazards

ENDANGERING THE ENVIRONMENT: no

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable.

SECTION 15: Regulatory Information

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

EU-regulations

Informations for IE-Directive 2010/75/EU not be rated
(VOC):

Additional guidance

Classification and labelling (see section 2).
Obverse the Chemicals Ordinance, ChemO.
Obverse the Chemicals Ordinance Risk, ChemRRV.
Obverse the Control Regulation (LRV).

National regulations

Accident ordinance: Note ordinance on Protection against Major Accidents
(Major Accidents Ordinance).

Water contaminating class: 2 - slightly water contaminating

15.2 Chemical safety assessment

A chemical safety assessment of ingredients of this materials was not performed.

SECTION 16: Other information

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 Harmonized 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
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

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Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12:

PROC 1: Use in closed processes.

PROC 8 (Transfer): Dilution of concentrated products, application of drain cleaners, dosage of textile washing agents.

PROC 10 (Roller application or brushing): Processing without large-scale spraying.

PROC 11 (Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).

PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection.

Relevant H and EUH statements (number and full text)

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
EUH210	Sicherheitsdatenblatt auf Anfrage erhältlich.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.