



Kemetyl

Safety data sheet

According to Regulation (EU) No 2015/830

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : SHELL WHEEL CLEANER
Product code : CRX494, 50403, AC56K

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

Application : SU21 Consumer product. PC35 Cleaning agent. PC0 Other. Car maintenance.

1.3. Details of the supplier of the safety data sheet

Supplier : Kemetyl Nederland BV
Industrieweg 30
3762 EK Soest, The Netherlands
Telephone : +31-35 7604900
E-mail : msds@kemetyl.com
Website : www.kemetyl.com

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:

NL - Telephone : +31-35-6099310

(During office hours only)

SECTION 2 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP classification : Acute toxicity, category 4. Skin sensitization, category 1.
(1272/2008/EC)

Human health hazards : Harmful if swallowed. May cause an allergic skin reaction.
Physical/chemical hazards : Not classified as dangerous according to statutory EC-Directives.
Environmental hazards : Not classified as dangerous according to statutory EC-Directives.
Other information : Do not breathe spray. Use only in well-ventilated areas.

2.2. Label elements

Label elements (1272/2008/EC):

Hazard pictograms :



Signal word : Warning

H- and P-phrases	: H302	Harmful if swallowed.
	H317	May cause an allergic skin reaction.
	P101	If medical advice is needed, have product container or label at hand.
	P102	Keep out of reach of children.
	P261 spray	Avoid breathing spray.
	P280 gloves	Wear protective gloves.
	P302+P352	IF ON SKIN: Wash with plenty of water/soap.
	P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
	P501	Dispose of contents/container to an official chemical waste depot.



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Labelling of packagings where the contents do not exceed 125 ml and it is technically impossible to list all phrases:

Hazard pictograms :



Signal word : Warning

H- and P-phrases :

H302	Harmful if swallowed.
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P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P261 spray	Avoid breathing spray.
P280 gloves	Wear protective gloves.
P302+P352	IF ON SKIN: Wash with plenty of water/soap.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P501	Dispose of contents/container to an official chemical waste depot.

Additional labelling (for all packaging sizes)

- : Contains: Sodium mercaptoacetate .
- : 3 per cent of the mixture consists of component(s) of unknown acute inhalation toxicity.

Ingredient declaration according to Regulation EC 648/2004:

Contains:	Concentration (%)
Anionic surfactants	< 5
Perfumes, 2-Bromo-2-nitropropane-1,3-diol, Octylisothiazolinone.	

Other information : According to Regulation (EC) No 1272/2008, the packaging of this product shall carry a tactile warning of danger.

2.3. Other hazards

Other information : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	Remark	REACH nr.
Sodium mercaptoacetate	5 - < 10	367-51-1	206-696-4		01-2119968564-24
Benzaldehyde	0,1 - < 1	100-52-7	202-860-4		01-2119455540-44

Substance name	Hazard Class	H-phrases	Pictograms	
Sodium mercaptoacetate	Acute Tox. 3; Acute Tox. 4; Met. Corr. 1; Skin Sens. 1	H290; H301; H312; H317	GHS05; GHS06	H290 : C >= 46 %
Benzaldehyde	Acute Tox. 4; Acute Tox. 4; Aquatic Chronic 3; Eye Irrit. 2; STOT SE 3; Skin Irrit. 2	H302; H315; H319; H332; H335; H412	GHS07	

Occupational exposure limit(s), if relevant, are listed in section 8.



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Reference is made to chapter 16 for full text of each relevant H phrase.

SECTION 4 FIRST-AID MEASURES

4.1. Description of first aid measures

First aid measures

- | | |
|--------------|---|
| Inhalation | : Move victim into fresh air. Consult a doctor if victim feels unwell. |
| Skin contact | : Take off contaminated clothing. Wash off skin with plenty of water before product dries up. Consult a doctor if irritation occurs. |
| Eye contact | : Wash out with (lukewarm) water. Remove contact lenses. Consult a doctor if irritation persists. |
| Ingestion | : Do not induce vomiting. Do rinse the mouth. Give one glass of water. Give condensed milk or a knob of butter. Never give anything by mouth to an unconscious person. Consult a doctor immediately if victim feels unwell. |

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

Effects and symptoms

- | | |
|--------------|---|
| Inhalation | : May cause irritation to respiratory airways and coughing. |
| Skin contact | : May cause redness and irritation, sensitisation. May produce an allergic reaction. May cause dry skin. |
| Eye contact | : May cause stinging of eyes and redness. |
| Ingestion | : May cause a feeling of sickness, vomiting and diarrhoea. May cause a feeling of sickness, malaise, shortness of breath and lack of breathe. |

4.3. Indication of any immediate medical attention and special treatment needed

- Note to physicians : None known.

SECTION 5 FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

- | | |
|--------------|---|
| Suitable | : Carbondioxide (CO2). Foam. Dry chemical. Water fog. |
| Not suitable | : None known. |

5.2. Special hazards arising from the substance or mixture

- | | |
|--|---|
| Special exposure hazards | : None known. |
| Hazardous thermal decomposition products | : Carbon monoxide may be evolved if incomplete combustion occurs. |

5.3. Advice for firefighters

- | | |
|--|---|
| Special protective equipment for fire-fighters | : Use adequate respiratory equipment in case of insufficient ventilation. |
|--|---|

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- | | |
|----------------------|---|
| Personal precautions | : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with spilled or released material. |
|----------------------|---|

6.2. Environmental precautions



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Environmental precautions : Avoid release of product into sewers, surface water and/or ground water. In case of large spills: contain with dike.
Other information : Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spilled material in containers. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Wash away remainder with plenty of water.

6.4. Reference to other sections

Reference to other sections : See also section 8.

SECTION 7 HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Do not breathe spray. Avoid contact with skin and eyes. Avoid splashing. Wear protective clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep frost-free, in a cool, dry and well-ventilated place (< 35 °C).
Recommended packaging : Keep only in the original container.
Non recommended packaging : Steel (except stainless steel).

7.3. Specific end use(s)

Use : Use only as directed. Do not mix with other products.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits : Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been established for this product.

Workplace exposure limits (mg/m³):

Chemical name	Country	TWA 8 hour (mg/m ³)	STEL 15 min (mg/m ³)	Comments	Source
Benzaldehyde		5			MAC: HU, BE, LT

Derived no-effect level (DNEL) for workers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
Sodium mercaptoacetate	Inhalation				1,41 mg/m ³
	Dermal				2,06 mg/kg bw/day
Benzaldehyde	Inhalation			6,3 mg/m ³	10,4 mg/m ³
	Dermal			4,5 mg/kg bw/day	34,7 mg/kg bw/day

Derived no-effect level (DNEL) for consumers:

Chemical name	Route of exposure	DNEL, short-term	DNEL, long-term
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		Local effect	Systemic effect	Local effect	Systemic effect
Sodium mercaptoacetate	Inhalation				0,348 mg/m ³
	Dermal				1,03 mg/kg bw/day
	Oral				0,002 mg/kg bw/day
Benzaldehyde	Inhalation			1,3 mg/m ³	2,1 mg/m ³
	Dermal			2,7 mg/kg bw/day	20,8 mg/kg bw/day
	Oral				25 mg/kg bw/day

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
Sodium mercaptoacetate	Water	0,038 mg/l	0,0038 mg/l	
	Intermittent water			0,380 mg/l
	STP			3,2 mg/l
Benzaldehyde	Water	0,00107 mg/l	0,00010 mg/l	
	Sediment	0,01044 mg/kg	0,00104 mg/kg	
	Intermittent water			0,0107 mg/l
	STP			7,59 mg/l
	Soil			0,00593 mg/kg

8.2. Exposure controls

Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals.

Hygienic measures : When using do not eat, drink or smoke.

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.

:



Body protection : Wear appropriate protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345. Suitable material: nitril. Indication of permeation breakthrough time: 6 hours.

Respiratory protection : Take care of sufficient ventilation.

Hand protection : Wear appropriate safety gloves in accordance with EN 374. Suitable material: nitril. ± 0,5 mm. Indication of permeation breakthrough time: 6 hours.

Eye protection : Wear appropriate safety glasses when there is danger of possible eye contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	: Liquid.	
Colour	: Colourless.	
Odour	: Perfumed.	
Odour threshold	: Not known.	
pH	: 6,5	
Solubility in water	: Soluble.	
Partition coefficient (n-octanol/water)	: Not applicable.	Contains surfactants. The O/W system emulsifies. Not measured. Not relevant for mixtures.
Flash point	: > 100 °C	Closed cup.
Flammability (solid, gas)	: Not applicable.	Liquid. See flashpoint.
Auto ignition temperature	: > 190 °C	



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Boiling point/boiling range	: 100 °C	
Melting point/melting range	: 0 °C	
Explosive properties	: None known.	Does not contain explosives.
Explosion limits (% in air)	: Not applicable.	
Oxidising properties	: Not applicable.	Does not contain oxidizing substances.
Decomposition temperature	: Not applicable.	
Viscosity (20°C)	: Not applicable.	
Viscosity (40°C)	: Not relevant.	The product contains < 10% substances having an aspiration hazard.
Vapour pressure (20°C)	: 2300 Pa	
Vapour density (20°C)	: > 1	The solvent content of this product is less than 1%.
Relative density (20°C)	: 1,1 g/ml	
Evaporation rate	: < 1	(n-butyl acetate = 1)

9.2. Other information

Other information : Not relevant.

SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity : See sub-sections below.

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactivity : No other hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid : See section 7.

10.5. Incompatible materials

Materials to avoid : No specific recommendations.

10.6. Hazardous decomposition products

Hazardous decomposition products : Not known.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No toxicological research has been carried out on this product.

Inhalation

Acute toxicity	: Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: 3 %. ATE: > 5 mg/l. Low toxicity. Not classified - based on available data, the classification criteria are not met. No specific effects and/or symptoms are known.
Corrosion/irritation	: May cause irritation to respiratory airways and coughing. Not classified - based on available data, the classification criteria are not met.
Sensitisation	: Does not contain substances classified as respiratory sensitiser. Not classified - based on available data, the classification criteria are not met.



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Carcinogenicity	: Not expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met.
Mutagenicity	: Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
Skin contact	
Acute toxicity	: Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
Corrosion/irritation	: Not classified - based on available data, the classification criteria are not met.
Sensitisation	: May cause sensitisation by skin contact. May produce an allergic reaction.
Mutagenicity	: Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
Eye contact	
Corrosion/irritation	: Slight irritation possible. Not classified - based on available data, the classification criteria are not met.
Ingestion	
Acute toxicity	: May cause signs of intoxication and reduced consciousness after exposure to high concentrations. May cause a feeling of sickness, malaise, shortness of breath and lack of breathe. Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: 500 mg/kg.bw.
Aspiration	: Not classified - based on available data, the classification criteria are not met. Does not contain substances with an aspiration hazard.
Corrosion/irritation	: May cause a feeling of sickness, vomiting and diarrhoea.
Carcinogenicity	: Not expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met.
Mutagenicity	: Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
Reprotoxicity	: Development: Not expected to be reprotoxic. Development: Not classified - Based on available data, the classification criteria are not met. Fertility: not expected to be reprotoxic. Fertility: Not classified - based on available data, the classification criteria are not met.

Toxicological information:

Chemical name	Property		Method	Test animal
Sodium mercaptoacetate	LD50 (oral)	504 mg/kg bw	-----	Mouse
	LD50 (dermal)	> 1000 mg/kg bw	OECD 402	Rat
	LD50 (oral) - estimate	100 mg/kg bw	-----	-----
	LC50 (inhalation) - estimate	> 2729 mg/m3	Read across	Rat
	Skin irritation	Irritant	OECD 404	Rabbit
	Eye irritation	Slightly irritant	OECD 405	Rabbit
	Mutagenicity	Negative	OECD 471	-----
	Skin sensitisation	Sensitizing	OECD 429	Mouse
	NOAEL (oral)	20 mg/kg bw/d	OECD 408	Rat
	NOAEL (dermal)	360 mg/kg bw/d	-----	Mouse
	NOAEL (developmental toxicity, dermal)	100 mg/kg bw/d	OECD 414	Rat
	NOEL (carcinogenicity, dermal)	Not carcinogenic	-----	Mouse
	NOAEL (fertility, dermal)	360 mg/kg bw/d	-----	Mouse

SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity

No ecotoxicological research has been carried out on this product.



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Ecotoxicity : Calculated LC50 (fish): 259 mg/l. Calculated EC50 (waterflea): 397 mg/l. Contains 0 % of components with unknown hazards to the aquatic environment. Not classified - based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Persistence – degradability : No specific information known. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential : No specific information known.

12.4. Mobility in soil

Mobility : If product enters soil, it will be highly mobile and may contaminate groundwater.

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

12.6. Other adverse effects

Other information : Not applicable.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product residues : Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues and non-empty pack as hazardous waste.

Additional warning : None.

Waste water discharge : Do not dispose into the environment, in drains or in water courses.

European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.

Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

SECTION 14 TRANSPORT INFORMATION

14.1. UN number

UN nr. : None.

14.2. UN proper shipping name

Transport name : Not regulated.

14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID/ADN (road/railway/inland waterways)

Class : This product is not classified according to ADR/RID/ADN.

IMDG (sea)

Class : This product is not classified according to IMDG.

Marine pollutant : No

IATA (air)

Class : This product is not classified according to IATA.



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14.6. Special precautions for user

Other information : Country specific variations may apply.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Marpol : Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments. Packaged liquids are not considered bulk.

SECTION 15 REGULATORY INFORMATION

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

Community regulations : Regulation (EU) No 2015/830 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations.

15.2. Chemical safety assessment

Chemical safety assessment : Not applicable.

SECTION 16 OTHER INFORMATION

16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EU) No 2015/830 dated 28 May 2015 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (*).

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

ADR	: European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	: Acute Toxicity Estimate
CLP	: Classification, Labeling & Packaging
CMR	: Carcinogenic, Mutagenic or toxic for Reproduction
EEC	: European Economic Community
GHS	: Globally Harmonized System of Classification and Labelling of Chemicals
IATA	: International Air Transport Association
IBC code	: International Bulk Chemical Code
IMDG	: International Maritime Dangerous Goods Code
LD50/LC50	: Lethal Dose/Concentration for 50% of a population
MAC	: Maximum Allowable Concentration
MARPOL	: International Convention for the Prevention of Pollution From Ships
NO(A)EL	: No Observed (Adverse) Effect Level
OECD	: Organisation for Economic Co-operation and Development
PBT	: Persistent, Bioaccumulative and Toxic
PC	: Chemical product category
PT	: Product type
REACH	: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	: Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	: Sewage Treatment Plant



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SU : Sector of Use
TWA/STEL : Time-Weighted Average/Short Term Exposure Limit
UN : United Nations
VOC : Volatile Organic Compounds
vPvB : Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008:

Acute Tox. 4 : Calculation method.
Skin Sens. 1/1A/1B : Calculation method.

Full text of hazard classes mentioned in section 3:

Acute Tox. 3 : Acute toxicity, category 3.
Acute Tox. 4 : Acute toxicity, category 4. Acute toxicity, category 4. Acute toxicity, category 4.
Skin Irrit. 2 : Skin irritation, category 2.
Eye Irrit. 2 : Eye irritation, category 2.
Skin Sens. 1/1A/1B : Skin sensitization, category 1/1A/1B.
Aquatic Chronic 3 : Hazardous to the aquatic environment — Chronic category 3.
Met. Corr. 1 : Corrosive to metals, category 1.

Full text of H-phrases mentioned in section 3:

H290 : May be corrosive to metals.
H301 : Toxic if swallowed.
H302 : Harmful if swallowed.
H312 : Harmful in contact with skin.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H319 : Causes serious eye irritation.
H332 : Harmful if inhaled.
H412 : Harmful to aquatic life with long lasting effects.

Number format : ", " used as decimal separator.

End of safety data sheet.

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