



Kemetyl

Safety data sheet

According to Regulation (EU) No 830/2015

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

1.1. Product identifier

Product name : KEMETYL TERRACE WASH 2,5L WITH INJECTOR
Product code : 4749

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

Application : Consumer product (SU21). Cleaning agent (PC35).

1.3. Details of the supplier of the safety data sheet

Supplier : Kemetyl AB
Rörvägen 7
136 50 Haninge, Sweden
Telephone : +46-8 504 10100
E-mail : msds@kemetyl.com
Website : www.kemetyl.com

1.4. Emergency telephone number

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

SE - Telephone : +46-8 504 10100 (During office hours only)

EMERGENCY TELEPHONE NUMBER (in the UK and Ireland for healthcare professionals only):

National Poisons Information Service : +44-844 892 0111 (24/7)

SECTION 2 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP classification : Corrosive to metals, hazard category 1. Skin corrosive, category 1B.
(1272/2008/EC)

Human health hazards : Causes severe skin burns and eye damage.

Physical/chemical hazards : Reacts vigorously in contact with acids. Strong heat development possible. May be corrosive to metals.

Environmental hazards : Not classified as dangerous according to statutory EC-Directives.

Other information : Keep locked up and out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

2.2. Label elements

Label elements (1272/2008/EC):

Hazard pictograms :



Signal word : Danger

H- and P-phrases : H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.



Kemetyl

Safety data sheet

According to Regulation (EU) No 830/2015

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of 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 [or 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.
P390	Absorb spillage to prevent material damage.
P501	Dispose of contents/container to an approved waste disposal plant.

Additional labelling

: Contains: Alcohols, C12-14, ethoxylated, sulfates, sodium salts; Isotridecanol, ethoxylated; Disodium metasilicate; Hexyl D-glucoside.

Ingredient declaration according to Regulation 648/2004:

Contains:	Concentration (%)
Non-ionic surfactants	5 - 15
Anionic surfactants	< 5

Other information : According to regulation (EC) 1272/2008, Annex II, part 3, the packaging of this product shall carry a tactile warning of danger and a child resistant closure.

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	REACH nr.	OEL
Hexyl D-glucoside Eye Dam. 1 H318	1 - < 5	54549-24-5	259-217-6	01-2119492545-29	
Disodium metasilicate Met. Corr. 1; Skin Corr. 1B; STOT SE 3 H290; H314; H335	1 - < 5	6834-92-0	229-912-9	01-2119449811-37	
Isotridecanol, ethoxylated Acute Tox. 4; Eye Dam. 1 H302; H318	1 - < 5	9043-30-5	500-027-2		
Alcohols, C12-14, ethoxylated, sulfates, sodium salts Eye Dam. 1; Skin Irrit. 2; Aquatic Chronic 3 H315; H318; H412	1 - < 5	68891-38-3	500-234-8	01-2119488639-16	

Reference is made to chapter 16 for full text of each relevant H phrase. Substance(s) with an Occupational Exposure Limit are marked with #. Occupational exposure limit(s) are listed in section 8.

SECTION 4 FIRST AID MEASURES

Product name	: Kemetyl Terrace Wash 2,5L with injector	Page 2/10
Date of issue	: 14-11-2016	Replaces issue dated : --- CHESSOL SDS



Kemetyl

Safety data sheet

According to Regulation (EU) No 830/2015

4.1. Description of first aid measures

First aid measures

Inhalation	: Move victim into fresh air. Apply artificial respiration or supply oxygen if needed. Transport to a hospital immediately.
Skin contact	: Immediately wash off skin with plenty of water. Take off contaminated clothing. Consult a doctor in case burns or irritation occur.
Eye contact	: Wash out with (lukewarm) water for at least 15 minutes. Remove contact lenses. Transport to a hospital immediately.
Ingestion	: Do not induce vomiting. Rinse the mouth, give 1 glass of water at most. Do not give milk. Never give anything by mouth to an unconscious person. Transport to a hospital immediately.

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

Effects and symptoms

Inhalation	: Corrosive. May cause sore throat and coughing. May cause shortness of breath or lack of breath.
Skin contact	: Corrosive. May cause redness, pain and severe burns (blisters).
Eye contact	: Corrosive. May cause redness and severe pain. Tears.
Ingestion	: Corrosive. May cause burning pain in throat and mouth. May cause a feeling of sickness, stomachache, vomiting and diarrhoea.

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

Note to physicians	: None known.
--------------------	---------------

SECTION 5 FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Suitable	: Carbon dioxide (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

Environmental precautions	: Avoid release of product into sewers, surface water and/or ground water. Large spills: contain with dike. Large scale discharge causing a very high pH may impair the biological system in sewage plants. Inform the official bodies if necessary.
---------------------------	--



Kemetyl

Safety data sheet

According to Regulation (EU) No 830/2015

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. Carefully neutralise residues with acid. 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 : For guidance on selection of personal protective equipment see section 8. For guidance on disposal of spilled material see section 13.

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. When dissolving or diluting, always add product to water. NEVER vice versa. 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). Keep away from food, drink and animal feedingstuffs.

Recommended packaging : Keep only in the original container.

Non recommended packaging : Steel and aluminium. PET and PETG.

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.

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
Hexyl D-glucoside	Dermal Inhalation				595000 mg/kg bw/day 420 mg/m ³
Disodium metasilicate	Dermal Inhalation				1,49 mg/kg bw/day 6,22 mg/m ³
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Dermal Inhalation				2750 mg/kg bw/day 175 mg/m ³

Derived no-effect level (DNEL) for consumers:

Chemical name	Route of exposure	DNEL, short-term	DNEL, long-term



Safety data sheet

According to Regulation (EU) No 830/2015

Kemetyl

		Local effect	Systemic effect	Local effect	Systemic effect
Hexyl D-glucoside	Dermal Inhalation Oral				357000 mg/kg bw/day 124 mg/m ³ 35,7 mg/kg bw/day
Disodium metasilicate	Dermal Inhalation Oral				0,74 mg/kg bw/day 1,55 mg/m ³ 0,74 mg/kg bw/day
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Dermal Inhalation Oral				1650 mg/kg bw/day 52 mg/m ³ 15 mg/kg bw/day

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
Hexyl D-glucoside	Water Sediment Intermittent water STP Soil Oral	0,1 mg/l 0,41 mg/kg	0,01 mg/l 0,041 mg/kg	4,2 mg/l 100 mg/l 0,654 mg/kg 111,11 mg/kg food
Disodium metasilicate	Water Intermittent water STP	7,5 mg/l	1 mg/l	7,5 mg/l 1000 mg/l
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Water Sediment Intermittent water STP Soil	0,24 mg/l 5,45 mg/kg	0,024 mg/l 0,545 mg/kg	0,071 mg/l 10000 mg/l 0,946 mg/kg

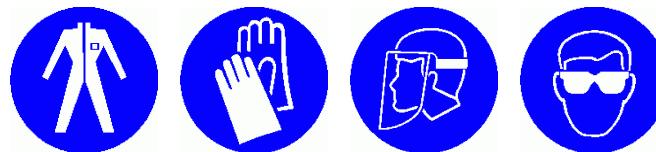
8.2. Exposure controls

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: PVC. Indication of permeation breakthrough time: not known.

Respiratory protection : Take care of sufficient ventilation.

Hand protection : Wear appropriate safety gloves in accordance with EN 374. Suitable material: PVC. ± 0,5 mm. Indication of permeation breakthrough time: not known.

Eye protection : Wear a face shield or appropriate safety glasses with side shields, in accordance with EN 166.

Thermal hazards : Not applicable.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Product name : Kemetyl Terrace Wash 2,5L with injector
Date of issue : 14-11-2016

Replaces issue dated : ---

Page 5/10
CHESSOL SDS



Kemetyl

Safety data sheet

According to Regulation (EU) No 830/2015

9.1. Information on basic physical and chemical properties

Appearance	: Liquid.	
Colour	: Yellow.	
Odour	: Odourless.	
Odour threshold	: Not known.	
pH	: 13,3	
Alkali reserve (g NaOH/100 ml)	: Not known.	
Solubility in water	: Soluble.	
Partition coefficient (n-octanol/water)	: Not applicable.	Contains surfactants. The O/W system emulsifies.
Flash point	: Not applicable.	
Flammability (solid, gas)	: Not applicable.	Liquid.
Auto ignition temperature	: > 250 °C	
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 known.	
Viscosity (40°C)	: Not relevant.	The product contains < 10% substances having an aspiration hazard.
Vapour pressure (20°C)	: 2300 Pa	
Vapour density (20°C)	: Not relevant.	The solvent content of this product is less than 1%.
Relative density (20°C)	: 1,05 g/ml	
Evaporation rate	: < 1 (n-butyl acetate = 1)	

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 : Keep away from acids. Keep away from oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products : Not known.

SECTION 11 TOXICOLOGICAL INFORMATION



Kemetyl

Safety data sheet

According to Regulation (EU) No 830/2015

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: 11 %. ATE: > 5 mg/l. Low toxicity. Not classified - based on available data, the classification criteria are not met.

Corrosion/irritation : Corrosive. May cause sore throat and coughing. May cause pulmonary oedema. Symptoms of pulmonary oedema often manifest after several hours.

Sensitisation : Does not contain respiratory sensitisers. Not classified - based on available data, the classification criteria are not met.

Carcinogenicity : Not expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met.

Mutagenicity : Not expected to be mutagenic. 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 : Corrosive. Causes severe burns.

Sensitisation : Does not contain skin sensitisers. Not classified - based on available data, the classification criteria are not met.

Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.

Eye contact

Corrosion/irritation : Corrosive. Risk of serious damage to eyes.

Ingestion

Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Not classified - based on available data, the classification criteria are not met.

Corrosion/irritation : Corrosive. May cause burning pain in throat and mouth. May cause a feeling of sickness, stomachache, vomiting and diarrhoea.

Carcinogenicity : Not expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met.

Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.

Toxicological information:

Chemical name	Property		Method	Test animal
Disodium metasilicate	LD50 (dermal) - estimate	> 5000 mg/kg bw	----	Rat
	Skin irritation	Corrosive.	OECD 404	Rabbit
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Genotoxicity - in vitro	Not genotoxic	OECD 473	
	Genotoxicity - in vivo	Not genotoxic	OECD 475	Mouse
	Skin sensitisation	Not sensitizing	OECD 429	Mouse
	NOAEL (oral)	127 mg/kg bw/d	----	Rat
	LC50 (inhalation) - estimate	> 5000 mg/m ³	----	----
	LD50 (oral) - estimate	> 2000 mg/kg bw	----	----
	Eye irritation - estimate	Corrosive.	----	Rabbit
	LD50 (oral)	662 mg/kg bw	----	Mouse

SECTION 12 ECOLOGICAL INFORMATION



Kemetyl

Safety data sheet

According to Regulation (EU) No 830/2015

12.1. Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Calculated LC50 (fish): 29 mg/l. Calculated EC50 (waterflea): 146 mg/l. Contains 0 % of components with unknown hazards to the aquatic environment.

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.

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. : UN 3253

14.2. UN proper shipping name

Transport name : DISODIUM TRIOXOSILICATE

Transport name (IMDG, IATA) : DISODIUM TRIOXOSILICATE

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

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

Class : 8

Classification code : C6

Packaging group : III

Product name

: Kemetyl Terrace Wash 2,5L with injector

Date of issue

: 14-11-2016

Replaces issue dated

: ---

Page 8/10

CHESSOL SDS



Kemetyl

Safety data sheet

According to Regulation (EU) No 830/2015

Danger label : 8



Other information : Not intended for carriage by inland waterways in tank-vessels.

IMDG (sea)

Class : 8

Packaging group : III

EmS (fire / spill) : F - A / S - B

Marine pollutant : No

IATA (air)

Class : 8

14.6. Special precautions for user

Other information : Country specific variations may apply. It is possible that a "Limited Quantity" exemption applies to the transport of this product.

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

Marpol : Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments.

SECTION 15 REGULATORY INFORMATION

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

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

Directive 2012/18/EU : Not regulated.

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 (EC) No 830/2015 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 (*).

Full text of H-phrases mentioned in section 3:



Kemetyl

Safety data sheet

According to Regulation (EU) No 830/2015

H221	Flammable gas.
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.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

Full text of hazard classes mentioned in section 3:

Met. Corr. 1	: Corrosive to metals, hazard category 1.
Acute Tox. 4	: Acute toxicity, category 4.
Skin Corr. 1B	: Skin corrosive, category 1B.
Skin Irrit. 2	: Skin irritation, category 2.
Eye Dam. 1	: Serious eye damage, category 1.
STOT SE 3	: Specific target organ toxicity after single exposure, category 3.
Aquatic Chronic 3	: Hazardous to the aquatic environment — Chronic category 3.

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

ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
DNEL	Derived no-effect level
ECETOC TRA	European centre for ecotoxicology and toxicology of chemicals. Targeted risk assessment
EU	European Union
EUSES	European Union System for the Evaluation of Substances
IBC code	Intermediate Bulk Container
LD50 LC50	Lethal Dose/Concentration for 50% of a population
NOAEL	No Observed (Adverse) Effect Level
NOEC	No observed effect concentration
OEL	Occupational exposure limit
PBT	Persistent, Bioaccumulative and Toxic
PC	Chemical product category
PNEC	Predicted no-effect concentration
STP	Sewage Treatment Plant
SU	Sector of Use
SVHC	Substance of very high concern
TWA/STEL	Time-Weighted Average/Short Term Exposure Limit
vPvB	Very Persistent and Very Bioaccumulative
Number format	: "," used as decimal separator.