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

1.1. Product identifier

Product form : Mixture

Product name : Carclin Premax Multi

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

1.2.1. Relevant identified uses

Main use category : Professional use

Function or use category : Cleaning/washing agents and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Synerlogic B.V.

Graafsingel 22

6921 RT Duiven - Nederland

T +31 (0) 26 - 3186700

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II)

Skin corrosion/irritation, Category 2 H315

Serious eye damage/eye irritation, Category 1 H318

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye damage.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]Extra labelling to displayExtra classification(s) to display

Hazard pictograms (CLP) :

GHS05

Signal word (CLP) : Danger

Hazardous ingredients : Tetrasodium ethylene diamine tetraacetate; Potassium hydroxide; C9-11 Alcoholethoxylaat

Hazard statements (CLP) : H315 - Causes skin irritation.
H318 - Causes serious eye damage.

Precautionary statements (CLP)	:	P280 - Wear protective gloves, protective clothing, face protection, eye protection. P302+P352 - IF ON SKIN: Wash with plenty of soap and 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. P332+P313 - If skin irritation occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium Tripolyphosphate	(CAS-No.) 7758-29-4 (EC-No.) 231-838-7 (REACH-no) 01-2119430450-54	5 - 10	Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 4, H413
C9-11 Alcoholethoxylaat	(CAS-No.) 68439-46-3 (REACH-no) Polymer	< 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Sodium xylenesulphonate	(CAS-No.) 1300-72-7 (EC-No.) 215-090-9 (REACH-no) 01-2119513350-56	< 5	Eye Irrit. 2, H319
Tetrasodium ethylene diamine tetraacetate	(CAS-No.) 64-02-8 (EC-No.) 200-573-9 (EC Index-No.) 607-428-00-2 (REACH-no) 01-2119486762-27	< 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Dam. 1, H318 STOT RE 2, H373
Potassium hydroxide	(CAS-No.) 1310-58-3 (EC-No.) 215-181-3 (EC Index-No.) 019-002-00-8 (REACH-no) 01-2119487136-33	< 5	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Met. Corr. 1, H290
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	(EC-No.) 931-292-6 (REACH-no) 01-2119490061-47	< 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Mixture of fat amine derivates		< 5	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Potassium hydroxide	(CAS-No.) 1310-58-3 (EC-No.) 215-181-3 (EC Index-No.) 019-002-00-8 (REACH-no) 01-2119487136-33	(0,5 =<C < 100) Eye Irrit. 2, H319 (0,5 =<C < 100) Skin Irrit. 2, H315 (2 =<C < 100) Skin Corr. 1B, H314 (5 =<C < 100) Skin Corr. 1A, H314

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Call a physician immediately.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after skin contact : Irritation.

Symptoms/effects after eye contact : Serious damage to eyes.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ureum (57-13-6)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	580 mg/kg bodyweight/day
Acute - systemic effects, inhalation	292 mg/m³
Long-term - systemic effects, dermal	580 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	292 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0,047 mg/l
PNEC aqua (marine water)	0,047 mg/l

Tetrasodium ethylene diamine tetraacetate (64-02-8)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	2,8 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	1,7
Long-term - systemic effects,oral	28 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	2,8 mg/l
PNEC aqua (marine water)	0,28 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,95 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	57 mg/l

Sodium xylenesulphonate (1300-72-7)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	≈ mg/kg bodyweight/day
Long-term - systemic effects, dermal	7,6 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	53,6 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	3,8 mg/kg bodyweight/day

Sodium xylenesulphonate (1300-72-7)	
Long-term - systemic effects, inhalation	13,2 mg/m³
Long-term - systemic effects, dermal	3,8 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,23 mg/l
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Materials for protective clothing:		
Condition	**Material**	**Standard**
Good resistance:	Synthetic material	EN 13034

Hand protection:

protective gloves

Type	**Material**	**Permeation**	**Thickness (mm)**	**Penetration**	**Standard**
Reusable gloves	Neoprene rubber (HNBR)	6 (> 480 minutes)	0,25 mm		EN ISO 374
Reusable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	> 0,31 mm		EN ISO 374
Reusable gloves	Polyvinylchloride (PVC)	6 (> 480 minutes)	0,2 mm		EN ISO 374

Eye protection:

Safety glasses

Type	**Use**	**Characteristics**	**Standard**
Safety glasses	Fine dust, Dust, Droplet	With side shields	EN 166

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Device	**Filter type**	**Condition**	**Standard**
Reusable half mask	Type P2, Type P3	Protection for Solid particles	EN 149

Personal protective equipment symbol(s):

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Blue.
Odour	:	characteristic.
Odour threshold	:	No data available
pH	:	11 - 11,4
pH solution	:	2,5 %
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	100 °C
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not applicable
Vapour pressure	:	23 hPa
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Density	:	1,105 g/cm^3
Solubility	:	completely miscible.
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

C9-11 Alcoholethoxylaat (68439-46-3)	
LD50 oral rat	300 - 2000 mg/kg
LD50 dermal	2000 - 5000 mg/kg

Tetrasodium ethylene diamine tetraacetate (64-02-8)	
LD50 oral	1780 mg/kg bodyweight

Sodium xylenesulphonate (1300-72-7)	
LD50 oral	> 7000 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg bodyweight

Potassium hydroxide (1310-58-3)	
LD50 oral	333 mg/kg bodyweight

Skin corrosion/irritation : Causes skin irritation.
pH: 11 - 11,4
Serious eye damage/irritation : Causes serious eye damage.
pH: 11 - 11,4
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity : Not classified
Chronic aquatic toxicity : Not classified

C9-11 Alcoholethoxylaat (68439-46-3)	
LC50 fish 1	1 - 10 mg/l
EC50 Daphnia 1	1 - 10 mg/l (Daphnia magna)
EC50 72h algae (1)	1 - 10 mg/l (Skeletonema costatum)

Tetrasodium ethylene diamine tetraacetate (64-02-8)	
LC50 fish 1	> 121 mg/l
EC50 other aquatic organisms 1	625 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	2,77 mg/l IC50 algea (72 h) mg/l

Sodium xylenesulphonate (1300-72-7)	
EC50 other aquatic organisms 1	> 1020 mg/l
EC50 other aquatic organisms 2	IC50 algea (72 h) mg/l

Potassium hydroxide (1310-58-3)	
LC50 fish 1	80 mg/l

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential

Tetrasodium ethylene diamine tetraacetate (64-02-8)	
Log Pow	-13,17

Potassium hydroxide (1310-58-3)	
Log Pow	-3,88

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment
No additional information available

12.6. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information
In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number
UN-No. (ADR) : Not applicable

14.2. UN proper shipping name
Proper Shipping Name (ADR) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

14.4. Packing group
Packing group (ADR) : Not applicable

14.5. Environmental hazards
Dangerous for the environment : No

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

No data available

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

15.1.2. National regulations

Germany

Reference to AwSV	:	Water hazard class (WGK) 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	:	Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

Netherlands

Waterbezwaarlijkheid	:	9 - Harmful to aquatic organisms
Saneringsinspanningen	:	B - Lozing minimaliseren; toepassen van best uitvoerbare technieken
SZW-lijst van kankerverwekkende stoffen	:	None of the components are listed
SZW-lijst van mutagene stoffen	:	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	:	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	:	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	:	None of the components are listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods

LC50	Median lethal concentration
LD50	Median lethal dose
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
vPvB	Very Persistent and Very Bioaccumulative

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
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.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.

H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product