



Hygiène PLUS+ Washing machine cleaner

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 3/1/2018 Revision date: 2/20/2023 Supersedes version of: 9/22/2020 Version: 3.0

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

1.1. Product identifier

Product form	: Mixture
Product name	: Hygiène PLUS+ Washing machine cleaner
UFI	: Y6WC-ECJT-PM73-K67Y
Product code	: ER25465
Type of product	: Detergent
Product group	: Trade product

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

1.2.1. Relevant identified uses

Intended for general public	
Main use category	: Consumer 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

ERES-SAPOLI N.V.
Tulpenstraat 6
BE- 9810 Eke-Nazareth
Belgium
T +32 (0)9 385 59 11
info@eres.sapoli.be - www.eres-sapoli.be

1.4. Emergency telephone number

Emergency number	: +32 (0)9 385 59 11
Opening hours	: Monday - Thursday: 8:30-17:00; Friday 8:30-15:00.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Full text of H- and EUH-statements: see section 16	

Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye irritation.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS07

Signal word (CLP)	: Warning
Hazard statements (CLP)	: H315 - Causes skin irritation. H319 - Causes serious eye irritation.
Precautionary statements (CLP)	: P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P264 - Wash hands thoroughly after handling.

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P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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]
Citric acid monohydrate	CAS-No.: 5949-29-1 EC-No.: 201-069-1 REACH-no: 01-2119457026-42	1 – 10	Eye Irrit. 2, H319
Methoxypropoxypropanol substance with a Community workplace exposure limit	CAS-No.: 34590-94-8 EC-No.: 252-104-2 REACH-no: 01-2119450011-60	1 – 10	Aquatic Chronic Not classified
Alcohols, C12-14, ethoxylated, propoxylated	CAS-No.: 68439-51-0 EC-No.: 931-986-9	1 – 10	Aquatic Chronic 3, H412
Sodium Cumene Sulfonate	CAS-No.: 15763-76-5 EC-No.: 239-854-6 REACH-no: 01-2119489411-37	1 – 10	Eye Irrit. 2, H319
lactic acid	CAS-No.: 79-33-4 EC-No.: 201-196-2 REACH-no: 01-2119474164-39	1 – 10	Skin Corr. 1, H314 Eye Dam. 1, H318

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If medical advice is needed, have product container or label at hand.
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 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.
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.
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Symptoms/effects after eye contact : Eye irritation.

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

Firefighting instructions : Prevent fire fighting water from entering the environment. Exercise caution when fighting any chemical fire.

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. Evacuate unnecessary personnel.

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. For further information refer to section 8: "Exposure controls/personal protection".

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

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Methoxypropoxypropanol (34590-94-8)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	(2-Methoxymethylethoxy)-propanol
IOEL TWA	308 mg/m ³
IOEL TWA [ppm]	50 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

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8.2.3. Environmental exposure controls

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. Green.
Odour	: PARFUM.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not applicable
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 1.6
Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50�C	: Not available
Density	: 1.065 (1.015 – 1.115) g/cm�3
Relative density	: Not available
Relative vapour density at 20�C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

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

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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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Additional information	: Based on available data, the classification criteria are not met

Methoxypropoxypropanol (34590-94-8)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 5000 mg/kg
LD50 dermal rabbit	9510 mg/kg
LC50 Inhalation - Rat	55 – 60 mg/l
LC50 Inhalation - Rat (Dust/Mist)	55 mg/l/4h
ATE CLP (dermal)	9510 mg/kg bodyweight
ATE CLP (vapours)	55 mg/l/4h
ATE CLP (dust,mist)	55 mg/l/4h

Lactic acid (79-33-4)

LD50 oral rat	3543 (\leq 4936) mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LD50 dermal	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	7.94 mg/l/4h
ATE CLP (oral)	3543 mg/kg bodyweight
ATE CLP (dust,mist)	7.94 mg/l/4h

Alcohols, C12-14, ethoxylated, propoxylated (68439-51-0)

LD50 oral rat	> 2000 mg/kg
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Citric acid monohydrate (5949-29-1)

LD50 oral rat	3000 (\leq 5400) mg/kg
LD50 dermal rat	> 2000 mg/kg
LD50 dermal	> 2000 mg/kg
ATE CLP (oral)	3000 mg/kg bodyweight

Sodium Cumene Sulfonate (15763-76-5)

LD50 oral	> 2000 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat	> 5 mg/l

Skin corrosion/irritation	: Causes skin irritation. pH: 1.6
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Lactic acid (79-33-4)

pH	\leq 1.2
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Alcohols, C12-14, ethoxylated, propoxylated (68439-51-0)	
pH	≈ 6 (6 – 7.5)
Citric acid monohydrate (5949-29-1)	
pH	2.2
Sodium Cumene Sulfonate (15763-76-5)	
pH	6.5 – 9
Serious eye damage/irritation	: Causes serious eye irritation. pH: 1.6
Lactic acid (79-33-4)	
pH	≤ 1.2
Alcohols, C12-14, ethoxylated, propoxylated (68439-51-0)	
pH	≈ 6 (6 – 7.5)
Citric acid monohydrate (5949-29-1)	
pH	2.2
Sodium Cumene Sulfonate (15763-76-5)	
pH	6.5 – 9
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Methoxypropoxypropanol (34590-94-8)	
NOAEL (animal/male, F1)	300 mg/kg
NOAEL (animal/female, F1)	300 mg/kg
Sodium Cumene Sulfonate (15763-76-5)	
NOAEL (animal/male, F0/P)	300 mg/kg bodyweight
NOAEL (animal/male, F1)	1000 mg/kg bodyweight
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Methoxypropoxypropanol (34590-94-8)	
LOAEL (oral, rat, 90 days)	≥ 1000 mg/kg bodyweight/day
LOAEL (dermal, rat/rabbit, 90 days)	≥ 4750 mg/kg bodyweight/day
LOAEC (inhalation, rat, gas, 90 days)	≥ 300 mg/l
Sodium Cumene Sulfonate (15763-76-5)	
NOAEL (subchronic, oral, animal/male, 90 days)	763 mg/kg bodyweight
Aspiration hazard	: Not classified
Methoxypropoxypropanol (34590-94-8)	
Viscosity, kinematic	4.55 mm ² /s
Sodium Cumene Sulfonate (15763-76-5)	
Viscosity, kinematic	12.5 mm ² /s

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11.2. Information on other hazards

No additional information available

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.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Methoxypropoxypropanol (34590-94-8)

LC50 - Fish [1]	> 10000 mg/l
EC50 - Crustacea [1]	1919 mg/l
EC50 - Crustacea [2]	> 100 mg/l
EC50 72h - Algae [1]	6999 mg/l
EC50 96h - Algae [1]	> 969 mg/l
NOEC chronic crustacea	0.5 mg/l

Lactic acid (79-33-4)

LC50 - Fish [1]	320 (130 – 320) mg/l
EC50 - Crustacea [1]	130 mg/l
EC50 - Crustacea [2]	250 mg/l
EC50 - Other aquatic organisms [1]	130 mg/l waterflea
EC50 - Other aquatic organisms [2]	> 2800 mg/l
EC50 72h - Algae [1]	3500 (≥ 2800) mg/l
ErC50 algae	3500 mg/l
NOEC chronic algae	1900 mg/l

Alcohols, C12-14, ethoxylated, propoxylated (68439-51-0)

LC50 - Fish [1]	> 10 (≤ 0) mg/l
EC50 - Crustacea [1]	> 10 mg/l
EC50 72h - Algae [1]	> 1 (≤ 10) mg/l

Citric acid monohydrate (5949-29-1)

LC50 - Fish [1]	750 (440 – 760) mg/l
EC50 - Crustacea [1]	120 mg/l
EC50 72h - Algae [1]	640 mg/l
ErC50 algae	425 mg/l
NOEC chronic crustacea	1535 mg/l
NOEC chronic algae	425 mg/l

Sodium Cumene Sulfonate (15763-76-5)

LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 100 mg/l

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Sodium Cumene Sulfonate (15763-76-5)	
EC50 - Other aquatic organisms [1]	> 100 mg/l waterflea
EC50 - Other aquatic organisms [2]	> 100 mg/l
EC50 96h - Algae [1]	> 100 mg/l

12.2. Persistence and degradability

Hygi�ne PLUS+ Washing machine cleaner	
Persistence and degradability	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.

Methoxypropoxypropanol (34590-94-8)	
Persistence and degradability	Biodegradable.
Biodegradation	73 %

lactic acid (79-33-4)	
Persistence and degradability	Readily biodegradable in water.
Biodegradation	64 %

Alcohols, C12-14, ethoxylated, propoxylated (68439-51-0)	
Biodegradation	> 60 %

Citric acid monohydrate (5949-29-1)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.526 g O ₂ /g substance
Chemical oxygen demand (COD)	0.728 g O ₂ /g substance
ThOD	0.75 g O ₂ /g substance
Biodegradation	97 %

Sodium Cumene Sulfonate (15763-76-5)	
Biodegradation	> 60 %

12.3. Bioaccumulative potential

Methoxypropoxypropanol (34590-94-8)	
Bioconcentration factor (BCF REACH)	< 100
Partition coefficient n-octanol/water (Log Pow)	-0.06 (≤ 0.004)

lactic acid (79-33-4)	
Partition coefficient n-octanol/water (Log Pow)	-0.54

Citric acid monohydrate (5949-29-1)	
Partition coefficient n-octanol/water (Log Pow)	-1.72
Partition coefficient n-octanol/water (Log Kow)	-0.2 – -1.8
Bioaccumulative potential	Not established.

Sodium Cumene Sulfonate (15763-76-5)	
Partition coefficient n-octanol/water (Log Pow)	-1.5

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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. 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.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

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14.7. Maritime transport in bulk according to IMO instruments

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

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Aquatic Chronic Not classified	Hazardous to the aquatic environment – Chronic Hazard Not classified
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.
Skin Corr. 1	Skin corrosion/irritation, Category 1

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Safety Data Sheet (SDS), EU

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.