

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

1.1 - Product identifier

Trade name/designation :

Product-type : Mixture

Product code : 1140.4

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

Relevant identified uses:

- WC Gel Cleanser

Uses advised against:

- No information available.

1.3 - Details of the supplier of the safety data sheet

1.4 - Emergency telephone number

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

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

Not Classified	Not classified
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2.2 - Label elements

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

Signal word: None

Pictograms: None

Hazard statements: None

Precautionary statements: None

EUH-phrases

EUH210	Safety data sheet available on request
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2.3 - Other hazards

PBT-substance. - No information available.

vPvB-substance. - No information available.

Other hazards which do not result in classification - No information available.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class	Spec. concentrations
malic acid	CAS No. : 6915-15-7 Index No. : EC No. : 230-022-8	> 2,5 - < 10	Eye Irrit. 2 - H319	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation

- Provide fresh air.
- Allow the victim to rest

Following skin contact

- Remove contaminated clothing. Rinse skin with water / shower. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention.

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.

After ingestion

- Rinse mouth thoroughly with water.
- Do NOT induce vomiting.
- Seek medical advice immediately.
- Never give anything by mouth to an unconscious person or a person with cramps.

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

Symptoms and effects - Following inhalation

- No information available.

Symptoms and effects - Following skin contact

- No information available.

Symptoms and effects - After eye contact

- No information available.

Symptoms and effects - After ingestion

- No information available.

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

- No information available.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO2)
- Foam
- Extinguishing powder

Unsuitable extinguishing media

- High power water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture

- No information available.

5.3 - Advice for firefighters

- Non-flammable.
- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

- | | |
|------------------------------------|---|
| <u>For non-emergency personnel</u> | - Evacuate unnecessary personnel. |
| <u>For emergency responders</u> | - Provide adequate ventilation.
- Wear personal protection equipment (refer to section 8). |

6.2 - Environmental precautions

- Prevent entry to sewers and public waters. Avoid release into the environment.

6.3 - Methods and material for containment and cleaning up

- | | |
|---|--|
| <u>Methods and material for containment</u> | - No information available. |
| <u>Methods and material for cleaning up</u> | - Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Collect spillage.
- Store away from other materials. |
| <u>Inappropriate techniques</u> | - No information available. |

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

- | | |
|--|---|
| <u>Recommendation</u> | - Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No naked lights. No smoking. |
| <u>Advices on general occupational hygiene</u> | - Wash contaminated clothing prior to re-use.
- Used working clothes should not be worn outside the work area.
- Wash hands before breaks and after work. |

7.2 - Conditions for safe storage, including any incompatibilities

- Keep/Store only in original container.
- Do not mix with other cleaning products.
- Maintain in a temperate room
- Protect against: Frost
- Protect against: UV-radiation/sunlight

7.3 - Specific end use(s)

- No information available.

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

8.2 - Exposure controls

Appropriate engineering controls

- No information available.

Individual protection measures, such as personal protective equipment

- Personal protective equipment : Avoid all unnecessary exposure.
- Skin and body protection : None under normal conditions of use.
- Hand protection : No personal protective equipment is required. In case of intensive use, observe safety measures and hygiene standard for the use of chemicals.
- Respiratory protection : None under normal conditions of use. Dust mask if necessary.
- Eye protection : Goggles recommended during refilling.
- Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Physical state	Liquid
Appearance	opaque
Colour	blue
Odour	characteristic
Odour threshold	No data available
pH	2,3 +/-0,5
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
flammability	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Density	1,01 g/cm ³ +/-0,010
Solubility (Water)	No data available
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	No data available

Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	300 mPa.s (Brookfield LVT Spindle LV2) (25°C)

9.2 - Other information

VOC content	0,01 %
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- No information available.

10.2 - Chemical stability

- No information available.

10.3 - Possibility of hazardous reactions

- No dangerous reaction known.

10.4 - Conditions to avoid

- Direct sunlight and frost.

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 - Information on toxicological effects

Acute toxicity

- Not classified

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- Based on available data, the classification criteria are not met.

malic acid (6915-15-7)

LD50 oral (rat)	3500 mg/kg
LD50 dermal (rat)	20000 mg/kg
LC50 inhalation (rat)	> 1,306 ppmV

Skin corrosion/irritation

- Not classified

<u>Serious eye damage/eye irritation</u>	- Not classified
<u>Respiratory or skin sensitisation</u>	- Not classified
<u>Germ cell mutagenicity</u>	- Not classified
<u>Carcinogenicity</u>	- Not classified
<u>Reproductive toxicity</u>	- Not classified
<u>STOT-single exposure</u>	- Not classified
<u>STOT-repeated exposure</u>	- Not classified
<u>Aspiration hazard</u>	- Not classified

SECTION 12: Ecological information

12.1 - Toxicity

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

malic acid (6915-15-7)

LC50 96 hr fish	> 100 mg/l
ErC50 algae	> 100 mg/l

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

- No information available.

- No information available.

12.6 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods

- Dispose of waste according to applicable legislation.
- Handle contaminated packages in the same way as the substance itself.
- Do not allow uncontrolled discharge of product into the environment.

Sewage disposal

- No information available.

Special precautions for waste treatment

- No information available.

Community or national or regional provisions

- No information available.

SECTION 14: Transport information

14.1 - UN number

Not applicable

14.2 - UN proper shipping name

Not applicable

14.3 - Transport hazard class(es)

Not applicable

14.4 - Packing group

Not applicable

14.5 - Environmental hazards

Not applicable

Environmental hazards :

Marine pollutant :

14.6 - Special precautions for user

Not applicable

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

Not applicable

SECTION 15: Regulatory information

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content 0,01 %

- Labelling of detergents EC 648/2004 and 907/2006 sold to the general public:
- Perfume
- Regulation Biocidal products EU N° 528/2012 :
- Lactic Acid [CAS 79-33-4] 0,08% (w/w) TP2

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions:

Version	Issue date	Description of the amendments
4	12/04/2018	§3
3	30/03/2017	

Abbreviations and acronyms

- ADN: Accord européen relatif au transport international des marchandises Dangereuses par voie de Navigation intérieure
- ADR: Accord européen sur le transport des marchandises dangereuses par Route
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- CLP: Classification, Labelling and Packaging
- COV / VOC: Composé Organique Volatile / Volatil Organic Compound
- EC50: half maximal effective concentration
- ErC50: EC50 in terms of reduction of growth rate.
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- IATA: International Air Transport Association
- IBC : Industrial Bulk Container
- IMDG: International Maritime Code for Dangerous Goods
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- NOEC: No Observed Effect Concentration
- PBT: Persistent, Bioaccumulative and Toxic
- RID: Regulations concerning the International carriage of Dangerous goods by rail
- vPvB: very Persistent and very Bioaccumulative

Data sources:

- Regulation EC N° 648/2004 of detergents.
- 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.
- According to the Directive 2000/54/EC on the protection of workers against risks related to exposure to biological agents at work. The microorganisms used for the manufacture of this product are the Group 1 classification of micro-organisms according to EU Directive 2000/54/EC (micro-organisms that have never been described as the causative agent of infectious diseases in the man and pose no danger to the environment.

Texts of the regulatory sentences

Eye Irrit. 2	Eye irritation - Category 2
Not Classified	Not classified

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 and shall not establish a legally valid contractual relationship.

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