# Safety Data Sheet

according to UK REACH Regulation

## GYEON Q2M PPF Wash



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

### 1.1. Product identifier

GYEON Q2M PPF Wash

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

**Use of the substance/mixture**

Vehicle cleaning product - shampoo for paint protection film and wraps.
Enthusiasts and professional use (End consumer)

**Uses advised against**

Any non-intended use.

### 1.3. Details of the supplier of the safety data sheet

**Manufacturer**

| | |
|---|---|
| Company name: | Gyeon Technology |
| Street: | 1405-538, 212, Gasan digital 1-ro |
| Place: | Geumcheon-gu, Seoul, Korea |
| Telephone: | +82-10-4339-3599 |
| Contact person: | Robert Gyeon |
| e-mail: | sales@gyeon.co |

**Supplier**

| | |
|---|---|
| Company name: | Gyeon UK Ltd |
| Street: | Commercial Quay, 84 Commercial Stree |
| Place: | GB-EH6 6LX Edinburgh |
| e-mail: | hello@gyeonquartz.uk |
| Contact person: | Richard Cooper Telephone: +44 (0)7984 056790 |

### 1.4. Emergency telephone number:

National Poisons Information Service - 03448920111. 'For healthcare professionals only'.

**Further Information**

Safety Data Sheet according to UK-REACH Regulation

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**GB CLP Regulation**

Acute Tox. 4; H302
Skin Irrit. 2; H315
Eye Irrit. 2; H319
Skin Sens. 1; H317

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

**GB CLP Regulation**

**Hazard components for labelling**

sodium lauryl ether sulfate
ammonium mercaptoacetate
(R)-p-mentha-1,8-diene; d-limonene (LIMONENE)
citral

**Signal word:** Warning

**Pictograms:**



**Hazard statements**

| | |
|---|---|
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |

**Precautionary statements**

| | |
|---|---|
| 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. |
| P302+P352 | IF ON SKIN: Wash with plenty of water. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

### 2.3. Other hazards

The substances in the mixture (> 0.1%) do not meet the PBT/vPvB criteria according to UK REACH.
This product does not contain a substance (> 0,1%) that has endocrine disrupting properties with respect to humans as no components meets the criteria. This product does not contain a substance (> 0,1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**Hazardous components**

| CAS No | Chemical name | | | Quantity |
|---|---|---|---|---|
| | EC No | Index No | REACH No | |
| | Classification (GB CLP Regulation) | | | |
| 9004-82-4 | sodium lauryl ether sulfate | | | 35 - < 40 % |
| | 933-296-3 | | | |
| | Acute Tox. 4, Eye Irrit. 2; H302 H319 | | | |
| 5421-46-5 | ammonium mercaptoacetate | | | 20 - < 25 % |
| | 226-540-9 | | | |
| | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Acute 1; H315 H319 H317 H400 | | | |
| 120-51-4 | benzyl benzoate | | | 0.5 - < 1 % |
| | 204-402-9 | 607-085-00-9 | | |
| | Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 2; H302 H400 H411 | | | |
| 5989-27-5 | (R)-p-mentha-1,8-diene; d-limonene (LIMONENE) | | | 0.2 - < 0.3 % |
| | 227-813-5 | 601-096-00-2 | | |
| | Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 3; H226 H315 H317 H304 H400 H412 | | | |
| 5392-40-5 | citral | | | 0.1 - < 0.2 % |
| | 226-394-6 | 605-019-00-3 | | |
| | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317 | | | |

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

**Specific Conc. Limits, M-factors and ATE**

| CAS No | EC No | Chemical name | Quantity |
|---|---|---|---|
| | Specific Conc. Limits, M-factors and ATE | | |
| 9004-82-4 | 933-296-3 | sodium lauryl ether sulfate | 35 - < 40 % |
| | dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg | | |
| 5421-46-5 | 226-540-9 | ammonium mercaptoacetate | 20 - < 25 % |
| | oral: LD50 = 3500 mg/kg | | |
| 120-51-4 | 204-402-9 | benzyl benzoate | 0.5 - < 1 % |
| | dermal: LD50 = >2000 mg/kg; oral: LD50 = 3253 mg/kg | | |
| 5989-27-5 | 227-813-5 | (R)-p-mentha-1,8-diene; d-limonene (LIMONENE) | 0.2 - < 0.3 % |
| | dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 2000 mg/kg Aquatic Acute 1; H400: M=1 | | |
| 5392-40-5 | 226-394-6 | citral | 0.1 - < 0.2 % |
| | dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg | | |

**Labelling for contents according to Regulation (EC) No 648/2004**

>= 30 % anionic surfactants, perfumes (Benzyl benzoate, Limonene, Citral, Linalool, Hexyl cinnamal).

**Further Information**

Product does not contain listed SVHC substances > 0.1 % according to UK REACH.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**After inhalation**

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

**After contact with skin**

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

**After contact with eyes**

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

**After ingestion**

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

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

Harmful if swallowed.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious 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**

Carbon dioxide (CO2). Dry extinguishing powder. Alcohol resistant foam. Atomized water.

**Unsuitable extinguishing media**

High power water jet.

### 5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO2). Sulfur oxides.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Co-ordinate fire-fighting measures to the fire surroundings.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

**General advice**

Safe handling: see section 7

**For non-emergency personnel**

Wear personal protection equipment (refer to section 8).

**For emergency responders**

No special measures are necessary.

**6.2. Environmental precautions**

Discharge into the environment must be avoided.

**6.3. Methods and material for containment and cleaning up**

**For containment**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

**For cleaning up**

Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections**

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**

**Advice on safe handling**

Wear suitable protective clothing. See section 8.

**Advice on protection against fire and explosion**

Usual measures for fire prevention.

**Advice on general occupational hygiene**

Always close containers tightly after the removal of product. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work.

**Further information on handling**

General protection and hygiene measures: See section 8.

**7.2. Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

**Hints on joint storage**

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

**Further information on storage conditions**

Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity.
Recommended storage temperature: 20 °C
Protect against: frost. UV-radiation/sunlight. heat. Humidity

### 7.3. Specific end use(s)

See section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Additional advice on limit values**

To date, no national critical limit values exist.

### 8.2. Exposure controls





**Appropriate engineering controls**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Provide adequate ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Wear safety glasses; chemical goggles (if splashing is possible). BS/EN 166

**Hand protection**

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time >= 8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time >= 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The selected protective gloves have to satisfy the specifications of the Personal Protective Equipment at Work (Amendment) Regulations 2022 and the standard EN ISO 374.

Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

**Skin protection**

Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

**Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

-Exceeding exposure limit values

-Insufficient ventilation and aerosol or mist formation

Suitable respiratory protective equipment: particulates filter device (DIN EN 143). Type: P1-3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

**Environmental exposure controls**

Do not allow uncontrolled discharge of product into the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Physical state: | liquid |
| Colour: | colourless |
| Odour: | Apple, mint |
| Odour threshold: | not determined |
| Melting point/freezing point: | not determined |
| Boiling point or initial boiling point and boiling range: | 100 °C |
| Flammability: | not determined |
| Lower explosion limits: | not determined |
| Upper explosion limits: | not determined |
| Flash point: | not determined |
| Auto-ignition temperature: | not determined |
| Decomposition temperature: | not determined |
| pH-Value: | 7,5 |
| Viscosity / kinematic: | not determined |
| Water solubility: | not determined |

Solubility in other solvents

not determined

| | |
|---|---|
| Dissolution rate: | not relevant |
| Partition coefficient n-octanol/water: | SECTION 12: Ecological information |
| Dispersion stability: | not relevant |
| Vapour pressure: | not determined |
| Density: | not determined |
| Bulk density: | not determined |
| Relative vapour density: | not determined |
| Particle characteristics: | not relevant |

### 9.2. Other information

**Information with regard to physical hazard classes**

Explosive properties

none

| | |
|---|---|
| Sustaining combustion: | Not sustaining combustion |

Self-ignition temperature

| | |
|---|---|
| Solid: | not relevant |
| Gas: | not relevant |

Oxidizing properties

none

**Other safety characteristics**

| | |
|---|---|
| Evaporation rate: | not determined |
| Solvent separation test: | not determined |
| Solvent content: | not determined |
| Solid content: | not determined |
| Sublimation point: | not determined |
| Softening point: | not determined |
| Pour point: | not determined |
| Viscosity / dynamic: | not determined |
| Flow time: | not determined |

**Further Information**

No information available.

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

No information available.

**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

Refer to chapter 10.5.

**10.4. Conditions to avoid**

Protect against: UV-radiation/sunlight. heat.

**10.5. Incompatible materials**

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

**10.6. Hazardous decomposition products**

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO2). Sulfur oxides.

## SECTION 11: Toxicological information

**11.1. Information on hazard classes as defined in GB CLP Regulation**

**Toxicocinetics, metabolism and distribution**

No data available.

**Acute toxicity**

Harmful if swallowed.

**ATEmix calculated**

ATE (oral) 1428,6 mg/kg

| CAS No | Chemical name | | | | |
|---|---|---|---|---|---|
| | Exposure route | Dose | Species | Source | Method |
| 9004-82-4 | sodium lauryl ether sulfate | | | | |
| | oral | LD50 >2000 mg/kg | Rat | ECHA Dossier | |
| | dermal | LD50 >2000 mg/kg | Rat | ECHA Dossier | |
| 5421-46-5 | ammonium mercaptoacetate | | | | |
| | oral | LD50 3500 mg/kg | Rat. | SDS external | |
| 120-51-4 | benzyl benzoate | | | | |
| | oral | LD50 3253 mg/kg | Mouse | ECHA Dossier | OECD Guideline 401 |
| | dermal | LD50 >2000 mg/kg | Rabbit. | ECHA Dossier | |
| 5989-27-5 | (R)-p-mentha-1,8-diene; d-limonene (LIMONENE) | | | | |
| | oral | LD50 > 2000 mg/kg | Rat | ECHA dossier | OECD Guideline 423 |
| | dermal | LD50 > 5000 mg/kg | | ECHA dossier | |
| 5392-40-5 | citral | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | oral | LD50 mg/kg | >5000 | Rat. | ECHA Dossier | |
| | dermal | LD50 mg/kg | >2000 | Rat. | ECHA Dossier | |

**Irritation and corrosivity**

Causes skin irritation.
Causes serious eye irritation.

**Sensitising effects**

May cause an allergic skin reaction. (ammonium mercaptoacetate; (R)-p-mentha-1,8-diene; d-limonene (LIMONENE); citral)

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.
ammonium mercaptoacetate:
In-vitro mutagenicity:
Method:
-OECD Guideline 471 (Bacterial Reverse Mutation Assay)
-EU Method B.17 (Mutagenicity - In Vitro Mammalian Cell Gene Mutation Test)
Result: = negative.

Developmental toxicity/teratogenicity:
Method: OECD 414
Species: Rat
Result: NOAEL = 75 mg/kg
Literature information ECHA dossier

citral (CAS-No.: 5392-40-4):
In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay) = negative. Literature information: ECHA dossier; In-vivo mutagenicity OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) = negative. Literature information: ECHA dossier; Carcinogenicity: Method: -; Species: Rat. Result: negative. Literature information: RESS,NB HAILEY,JR MARONPOT,RR BUCHER,JR TRAVLOS,GS, HASEMAN,JK ORZECH,DP JOHNSON,JD AND HEJTMANCIK,MR; TOXICOLOGY AND CARCINOGENESIS STUDIES OF MICROENCAPSULATED CITRAL IN RATS AND MICE; TOXICOL. SCI. 71(2):198-206, 2003

linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (CAS-No.: 78-70-6):
In-vitro mutagenicity: Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test); Result: negative. Literature information: ECHA dossier; Carcinogenicity: Method: -; Species: Rat; Exposure duration: 140 d. Result: negative. Literature information: ECHA dossier; Reproductive toxicity: Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test); Species: Rat ; Result: NOAEL = 365 mg/kg; Literature information: ECHA dossier Developmental toxicity/teratogenicity: Method: -; Species: Rat; Exposure duration: 26 d. Result: NOAEL = 1000 mg/kg; Literature information: ECHA dossier

**STOT-single exposure**

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

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.
linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (CAS-No.: 78-70-6):
Subacute oral toxicity:
Method: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents); Species: Rat; Exposure duration: 28 d. Results: NOAEL = 160 mg/kg; Literature information: ECHA dossier

**Aspiration hazard**

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

**Specific effects in experiment on an animal**

No data available.

**11.2. Information on other hazards**

**Endocrine disrupting properties**

This product does not contain a substance (> 0,1%) that has endocrine disrupting properties with respect to humans as no components meets the criteria.

**Other information**

No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

The product has not been tested.

| CAS No | Chemical name | | | | | | |
|---|---|---|---|---|---|---|---|
| | Aquatic toxicity | Dose | | [h] \| [d] | Species | Source | Method |
| 5421-46-5 | ammonium mercaptoacetate | | | | | | |
| | Acute fish toxicity | LC50 | >100 mg/l | 96 h | Oncorhynchus mykiss (OECD 203) | ECHA Dossier | |
| | Acute algae toxicity | ErC50 | 27 mg/l | 72 h | Desmodesmus subspicatus | ECHA Dossier | |
| 120-51-4 | benzyl benzoate | | | | | | |
| | Acute fish toxicity | LC50 | 2,32 mg/l | 96 h | Danio rerio | ECHA Dossier | EU Method C.1 |
| | Acute algae toxicity | ErC50 | 0,475 mg/l | 72 h | Pseudokirchneriella subcapitata | ECHA Dossier | OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 | 4,26 mg/l | 48 h | Daphnia magna | ECHA Dossier | OECD Guideline 202 |
| | Crustacea toxicity | NOEC | 0,258 mg/l | 21 d | Daphnia magna | ECHA Dossier | EU Method C.20 |
| | Acute bacteria toxicity | (EC50 | > 10000 mg/l) | 3 h | Activated sludge | ECHA Dossier | ISO 8192 |
| 5989-27-5 | (R)-p-mentha-1,8-diene; d-limonene (LIMONENE) | | | | | | |
| | Acute fish toxicity | LC50 | 0,72 mg/l | 96 h | Pimephales promelas | ECHA dossier | OECD Guideline 203 |
| | Acute algae toxicity | ErC50 | 0,32 mg/l | 72 h | Pseudokirchneriella subcapitata | ECHA dossier | OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 | 0,307 mg/l | 48 h | Daphnia magna | ECHA dossier | OECD Guideline 202 |
| | Acute bacteria toxicity | (EC50 | 209 mg/l) | 3 h | | ECHA dossier | |
| 5392-40-5 | citral | | | | | | |
| | Acute fish toxicity | LC50 | 6,78 mg/l | 96 h | Leuciscus idus | ECHA Dossier | |
| | Acute algae toxicity | ErC50 | 103,8 mg/l | 72 h | Desmodesmus subspicatus | ECHA Dossier | |
| | Acute crustacea toxicity | EC50 | 6,8 mg/l | 48 h | Daphnia magna | ECHA Dossier | |
| | Acute bacteria toxicity | (EC50 | 160 mg/l) | 0,5 h | Activated sludge | ECHA Dossier | |

### 12.2. Persistence and degradability

The product has not been tested.

| CAS No | Chemical name | | | |
|---|---|---|---|---|
| | Method | Value | d | Source |
| | Evaluation | | | |
| 9004-82-4 | sodium lauryl ether sulfate | | | |

| | | | | |
|---|---|---|---|---|
| | OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C | 100% | 28 | ECHA Dossier |
| | Readily biodegradable (according to OECD criteria). | | | |
| 5421-46-5 | ammonium mercaptoacetate | | | |
| | OECD 301C / ISO 9408 / EEC 92/69 annex V, C.4-F | 100% | 28 | MSDS external |
| 120-51-4 | benzyl benzoate | | | |
| | EU Method C.4-D | 94% | 28 | ECHA Dossier |
| | Easily biodegradable (concerning to the criteria of the OECD) | | | |
| 5989-27-5 | (R)-p-mentha-1,8-diene; d-limonene (LIMONENE) | | | |
| | OECD 301D / EEC 92/69 annex V, C.4-E | 80 % | 28 | ECHA dossier |
| | Easily biodegradable (concerning to the criteria of the OECD) | | | |
| 5392-40-5 | citral | | | |
| | EU Method C.4-D | 90% | 28 | ECHA Dossier |
| | Easily biodegradable (concerning to the criteria of the OECD) | | | |

### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

**Partition coefficient n-octanol/water**

| CAS No | Chemical name | Log Pow |
|---|---|---|
| 5421-46-5 | ammonium mercaptoacetate | -2,99 (pH = 7) |
| 120-51-4 | benzyl benzoate | ca. 3,97 |
| 5989-27-5 | (R)-p-mentha-1,8-diene; d-limonene (LIMONENE) | 4,38 |
| 5392-40-5 | citral | 2,76 |

**BCF**

| CAS No | Chemical name | BCF | Species | Source |
|---|---|---|---|---|
| 120-51-4 | benzyl benzoate | 193,4 | no data | ECHA Dossier |
| 5989-27-5 | (R)-p-mentha-1,8-diene; d-limonene (LIMONENE) | 864,8 | no data | ECHA dossier |

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.
The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.
The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

### 12.7. Other adverse effects

No data available.

**Further information**

Do not allow to enter into surface water or drains.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal recommendations**

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.
Non-contaminated packages may be recycled.
According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must

be carried out in a specific way for every industry and process.
Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

**List of Wastes Code - residues/unused products**

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

**List of Wastes Code - used product**

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

**List of Wastes Code - contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

**Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

**Land transport (ADR/RID)**

| | |
|---|---|
| **14.1. UN number or ID number:** | No dangerous good in sense of these transport regulations. |
| **14.2. UN proper shipping name:** | No dangerous good in sense of these transport regulations. |
| **14.3. Transport hazard class(es):** | No dangerous good in sense of these transport regulations. |
| **14.4. Packing group:** | No dangerous good in sense of these transport regulations. |

**Inland waterways transport (ADN)**

| | |
|---|---|
| **14.1. UN number or ID number:** | No dangerous good in sense of this transport regulation. |
| **14.2. UN proper shipping name:** | No dangerous good in sense of this transport regulation. |
| **14.3. Transport hazard class(es):** | No dangerous good in sense of this transport regulation. |
| **14.4. Packing group:** | No dangerous good in sense of this transport regulation. |

**Marine transport (IMDG)**

| | |
|---|---|
| **14.1. UN number or ID number:** | No dangerous good in sense of this transport regulation. |
| **14.2. UN proper shipping name:** | No dangerous good in sense of this transport regulation. |
| **14.3. Transport hazard class(es):** | No dangerous good in sense of this transport regulation. |
| **14.4. Packing group:** | No dangerous good in sense of this transport regulation. |

**Air transport (ICAO-TI/IATA-DGR)**

| | |
|---|---|
| **14.1. UN number or ID number:** | No dangerous good in sense of this transport regulation. |
| **14.2. UN proper shipping name:** | No dangerous good in sense of this transport regulation. |
| **14.3. Transport hazard class(es):** | No dangerous good in sense of this transport regulation. |
| **14.4. Packing group:** | No dangerous good in sense of this transport regulation. |

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

Refer to section 6 - 8

**14.7. Maritime transport in bulk according to IMO instruments**

not relevant

## SECTION 15: Regulatory information

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

**EU regulatory information**

Restrictions on use (REACH, annex XVII):
Entry 3, Entry 75

| | |
|---|---|
| 2010/75/EU (VOC): | not determined |
| 2004/42/EC (VOC): | not determined |
| Information according to 2012/18/EU (SEVESO III): | Not subject to 2012/18/EU (SEVESO III) |

**Additional information**

Safety Data Sheet according to UK-REACH Regulation
The mixture is classified as hazardous according to GHS (GB CLP).
UK REACH Appendix XVII, No (mixture): 3

**National regulatory information**

| | |
|---|---|
| Employment restrictions: | Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). |
| Water hazard class (D): | 2 - obviously hazardous to water |

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

**Changes**

Rev. 1,0; 04.10.2017, Initial release
Rev. 2.0; 18.05.2020, Revision Changes in chapter: 2-16
Rev. 2.1; 11.02.2021, Revision
Rev. 3.0; 05.01.2023, Revision Changes in chapter: 2-16

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
AGW: Arbeitsplatzgrenzwert
CAS: Chemical Abstracts Service
CLP: Classification, Labelling and Packaging of substances and mixtures
DNEL: Derived No Effect Level
d: day(s)
EINECS: European INventory of Existing Commercial chemical Substances
ELINCS: European LIst of Notified Chemical Substances
ECHA: European Chemicals Agency
EWC: European Waste Catalogue
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
h: hour
LOAEL: Lowest observed adverse effect level
LOAEC: Lowest observed adverse effect concentration
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NOAEL: No observed adverse effect level
NOAEC: No observed adverse effect concentration
NLP: No-Longer Polymers
N/A: not applicable

OECD: Organisation for Economic Co-operation and Development
PNEC: predicted no effect concentration
PBT: Persistent bioaccumulative toxic
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail
REACH: Registration, Evaluation, Authorisation of Chemicals
SVHC: substance of very high concern
TRGS: Technische Regeln für Gefahrstoffe
UN: United Nations
VOC: Volatile Organic Compounds

**Classification for mixtures and used evaluation method according to GB CLP Regulation**

| Classification | Classification procedure |
|---|---|
| Acute Tox. 4; H302 | Calculation method |
| Skin Irrit. 2; H315 | Calculation method |
| Eye Irrit. 2; H319 | Calculation method |
| Skin Sens. 1; H317 | Calculation method |

**Relevant H and EUH statements (number and full text)**

| | |
|---|---|
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H400 | Very toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*