# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

# Eagle One All WHEEL & TIRE CLEANER (effective 4/29/20)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

## SECTION 1: Identification

### 1.1 Product identifier

| | |
|---|---|
| Trade name | **Eagle One All WHEEL & TIRE CLEANER (effective 4/29/20)** |
| Alternative number(s) | 079933001439, 079933490608, 09310009015204, 012844040203 |

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

| | |
|---|---|
| Relevant identified uses | Consumer uses |
| Uses advised against | Do not use for squirting or spraying. Do not use for products which come into direct contact with the skin. |

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

Energizer Manufacturing, Inc.
25225 Detroit Rd.
Westlake OH 44145
United States

Telephone: 800-383-7323; 314-985-2000 (USA / CANADA)
e-mail: Autocare.regulatory@energizer.com
Website: http://data.energizer.com

### 1.4 Emergency telephone number

| | |
|---|---|
| Emergency information service | FOR EMERGENCY in USA & Canada CALL +1 800 255-3924 / For International CALL +1 813 248 0585 This number is only available during the following office hours: Mon-Fri 09:00 AM - 05:00 PM |

## SECTION 2: Hazard(s) identification

### 2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

| Section | Hazard class | Category | Hazard class and category | Hazard statement |
|---|---|---|---|---|
| A.2 | skin corrosion/irritation | 1 | Skin Corr. 1 | H314 |
| A.3 | serious eye damage/eye irritation | 1 | Eye Dam. 1 | H318 |
| A.9 | specific target organ toxicity - repeated exposure | 2 | STOT RE 2 | H373 |
| B.16 | substance or mixture corrosive to metals | 1 | Met. Corr. 1 | H290 |

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis. Delayed or immediate effects can be expected after short or long-term exposure.

## 2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

- Pictograms

GHS05, GHS08

- Hazard statements

| | |
|---|---|
| H290 | May be corrosive to metals. |
| H314 | Causes severe skin burns and eye damage. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

- Precautionary statements

| | |
|---|---|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P103 | Read label before use. |
| P234 | Keep only in original container. |
| P260 | Do not breathe dusts or mists. |
| P280 | Wear 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/ shower. |
| P304+P340 | If inhaled: Remove person to fresh air and keep comfortable for breathing. |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a poison center/doctor. |
| P321 | Specific treatment (see on this label). |
| P363 | Wash contaminated clothing before reuse. |
| P390 | Absorb spillage to prevent material damage. |
| P405 | Store locked up. |
| P406 | Store in corrosive resistant container with a resistant inner liner. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

- Hazardous ingredients for labelling Sodium Caprylyl Sulfonate, Sodium metasilicate pentahydrate, Tetrasodium ethylenediamine tetraacetate

### 2.3 Other hazards

#### Hazards not otherwise classified

Contains epoxy constituents. May produce an allergic reaction.

#### Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0.1%.

#### Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0.1%.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture)

### 3.2 Mixtures

#### Description of the mixture

| Name of substance | Identifier | Wt% | Classification acc. to GHS | Pictograms |
|---|---|---|---|---|
| Sodium Caprylyl Sulfonate | CAS No<br>5324-84-5 | 1 – < 5 | Skin Irrit. 2 / H315<br>Eye Dam. 1 / H318 | |
| Sodium metasilicate pentahydrate | CAS No<br>10213-79-3 | 1 – < 5 | Skin Corr. 1B / H314<br>STOT SE 3 / H335<br>Met. Corr. 1 / H290 | |
| Sodium xylenesulphonate | CAS No<br>1300-72-7 | 1 – < 5 | Eye Irrit. 2 / H319 | |
| Tetrasodium ethylenediamine tetraacetate | CAS No<br>64-02-8 | 1 – < 5 | Acute Tox. 4 / H302<br>Eye Dam. 1 / H318 | |

For full text of abbreviations: see SECTION 16.

## SECTION 4: First-aid measures

### 4.1 Description of first-aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

### Following skin contact

Wash with plenty of soap and water.

### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

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

none

# SECTION 5: Fire-fighting measures

## 5.1 Extinguishing media

### Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO2)

### Unsuitable extinguishing media

Water jet

## 5.2 Special hazards arising from the substance or mixture

Substance or mixture corrosive to metals.

### Hazardous combustion products

Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)

## 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

# SECTION 6: Accidental release measures

## 6.1 Personal precautions, protective equipment and emergency procedures

### For non-emergency personnel

Remove persons to safety.

### For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

## 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas. Never add water to this product.

- Handling of incompatible substances or mixtures

Do not mix with acids.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Corrosive conditions

Store in corrosive resistant container with a resistant inner liner.

Control of the effects

Protect against external exposure, such as

frost

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

### 7.3 Specific end use(s)

See section 16 for a general overview.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)
this information is not available

Relevant DNELs of components of the mixture

| Name of substance | CAS No | End-point | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
|---|---|---|---|---|---|---|
| Sodium Caprylyl Sulfonate | 5324-84-5 | DNEL | 15.16 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| Sodium Caprylyl Sulfonate | 5324-84-5 | DNEL | 215 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| Sodium xylenesulphonate | 1300-72-7 | DNEL | 26.9 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| Sodium xylenesulphonate | 1300-72-7 | DNEL | 136.3 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| Tetrasodium ethylenediamine tetraacetate | 64-02-8 | DNEL | 1.5 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| Tetrasodium ethylenediamine tetraacetate | 64-02-8 | DNEL | 3 mg/m³ | human, inhalatory | worker (industry) | acute - systemic effects |
| Tetrasodium ethylenediamine tetraacetate | 64-02-8 | DNEL | 1.5 mg/m³ | human, inhalatory | worker (industry) | chronic - local effects |
| Tetrasodium ethylenediamine tetraacetate | 64-02-8 | DNEL | 3 mg/m³ | human, inhalatory | worker (industry) | acute - local effects |

Relevant PNECs of components of the mixture

| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
|---|---|---|---|---|---|---|
| Sodium xylenesulphonate | 1300-72-7 | PNEC | 0.23 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| Sodium xylenesulphonate | 1300-72-7 | PNEC | 0.023 mg/l | aquatic organisms | marine water | short-term (single instance) |
| Sodium xylenesulphonate | 1300-72-7 | PNEC | 2.3 mg/l | aquatic organisms | water | intermittent release |

Relevant PNECs of components of the mixture

| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
|---|---|---|---|---|---|---|
| Sodium xylenesulphonate | 1300-72-7 | PNEC | 100 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| Sodium xylenesulphonate | 1300-72-7 | PNEC | 0.862 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| Sodium xylenesulphonate | 1300-72-7 | PNEC | 0.086 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| Sodium xylenesulphonate | 1300-72-7 | PNEC | 0.037 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| Tetrasodium ethylenediamine tetraacetate | 64-02-8 | PNEC | 1.2 mg/l | aquatic organisms | water | intermittent release |
| Tetrasodium ethylenediamine tetraacetate | 64-02-8 | PNEC | 2.83 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| Tetrasodium ethylenediamine tetraacetate | 64-02-8 | PNEC | 0.283 mg/l | aquatic organisms | marine water | short-term (single instance) |
| Tetrasodium ethylenediamine tetraacetate | 64-02-8 | PNEC | 50 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| Tetrasodium ethylenediamine tetraacetate | 64-02-8 | PNEC | 1.1 mg/kg | terrestrial organisms | soil | short-term (single instance) |

## 8.2 Exposure controls

### Appropriate engineering controls

General ventilation.

### Individual protection measures (personal protective equipment)

### Eye/face protection

Wear eye/face protection.

### Skin protection

### - Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 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. 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.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance**

| | |
|---|---|
| Physical state | liquid |
| Color | clear |
| Particle | not relevant (liquid) |
| Odor | characteristic |

**Other safety parameters**

| | |
|---|---|
| pH (value) | 13.5 (base) |
| Melting point/freezing point | not determined |
| Initial boiling point and boiling range | 100 °C at 1,013 hPa |
| Flash point | not determined |
| Evaporation rate | Not determined |
| Flammability (solid, gas) | not relevant, (fluid) |
| Vapor pressure | 0 hPa at 25 °C |
| Density | 1.05 $^{g}/_{cm^3}$ |
| Vapor density | this information is not available |
| Solubility(ies) | not determined |

Partition coefficient

| | |
|---|---|
| - n-octanol/water (log KOW) | this information is not available |

Auto-ignition temperature

| | |
|---|---|
| Viscosity | not determined |
| Explosive properties | none |
| Oxidizing properties | none |

| | | |
|---|---|---|
| **9.2** | **Other information** | there is no additional information |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". Substance or mixture corrosive to metals.

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

### 10.5 Incompatible materials

Oxidizers

Release of flammable materials with:

Light metals (due to the release of hydrogen in an acid/alkaline medium)

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

**Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)**

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components of the mixture

| Name of substance | CAS No | Exposure route | ATE |
|---|---|---|---|
| Tetrasodium ethylenediamine tetraacetate | 64-02-8 | oral | >1,780 $^{mg}/_{kg}$ |

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

Contains epoxy constituents. May produce an allergic reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## SECTION 12: Ecological information

### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

### 12.2 Persistence and degradability

Data are not available.

### 12.3 Bioaccumulative potential

Data are not available.

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0.1%.

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0.1%.

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

**Remarks**

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

### 14.1 UN number

| | |
|---|---|
| DOT | UN 3267 |
| IMDG-Code | UN 3267 |
| ICAO-TI | UN 3267 |

### 14.2 UN proper shipping name

| | |
|---|---|
| DOT | Corrosive liquid, basic, organic, n.o.s. |
| IMDG-Code | CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. |
| ICAO-TI | Corrosive liquid, basic, organic, n.o.s. |
| Technical name (hazardous ingredients) | Sodium metasilicate pentahydrate, xylene |

### 14.3 Transport hazard class(es)

| | |
|---|---|
| DOT | 8 |
| IMDG-Code | 8 |
| ICAO-TI | 8 |

### 14.4 Packing group

| | |
|---|---|
| DOT | III |
| IMDG-Code | III |
| ICAO-TI | I |

### 14.5 Environmental hazards

non-environmentally hazardous acc. to the dangerous goods regulations

### 14.6 Special precautions for user

There is no additional information.

### 14.7 Transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

**Information for each of the UN Model Regulations**

DOT

**Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information**

| | |
|---|---|
| Particulars in the shipper's declaration | UN3267, Corrosive liquid, basic, organic, n.o.s., (contains: Sodium metasilicate pentahydrate, xylene), 8, III |
| Danger label(s) | 8 |

| | |
|---|---|
| Special provisions (SP) | IB3, T7, TP1, TP28 |
| ERG No | 153 |

**International Maritime Dangerous Goods Code (IMDG) - Additional information**

| | |
|---|---|
| Particulars in the shipper's declaration | UN3267, CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S., (contains: Sodium metasilicate pentahydrate, xylene), 8, III |
| Marine pollutant | - |
| Danger label(s) | 8 |

| | |
|---|---|
| Special provisions (SP) | 223, 274 |
| Excepted quantities (EQ) | E1 |
| Limited quantities (LQ) | 5 L |
| EmS | F-A, S-B |
| Stowage category | A |
| Segregation group | 18 - Alkalis |

**International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information**

| | |
|---|---|
| Particulars in the shipper's declaration | UN3267, Corrosive liquid, basic, organic, n.o.s., (contains: Sodium metasilicate pentahydrate, xylene), 8, I |
| Danger label(s) | 8 |

| | |
|---|---|
| Special provisions (SP) | A3 |
| Excepted quantities (EQ) | E0 |

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

**National regulations (United States)**

| | |
|---|---|
| **Toxic Substance Control Act (TSCA)** | all ingredients are listed (ACTIVE) or exempt from listing |

**Right to Know Hazardous Substance List**

- Cleaning Product Right to Know Act Substance List (CA-RTK)

| Name of substance | CAS No | Functionality | Authoritative Lists |
|---|---|---|---|
| Water | 7732-18-5 | solvents | |
| (3R)-3-Ethoxy-2-methylnonane | 78330-20-8 | surfactant | |
| Water | 7732-18-5 | solvents | |
| Sodium Caprylyl Sulfonate | 5324-84-5 | surfactant | |
| Sodium metasilicate pentahydrate | 10213-79-3 | cleaning agent | |
| Sodium xylenesulphonate | 1300-72-7 | surfactant | |
| Tetrasodium ethylenediamine tetraacetate | 64-02-8 | chelating agent | |
| Sodium sulfate | 7757-82-6 | filler | |
| Sodium alkyl sulfate | 151-21-3 | soap base | |
| sodium hydroxide | 1310-73-2 | pH Adjuster | OEHHA RELs |

### California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals

| Name acc. to inventory | CAS No | Remarks | Type of the toxicity |
|---|---|---|---|
| 1,4-dioxane | 123-91-1 | | cancer |
| benzene | 71-43-2 | | cancer |
| benzene | 71-43-2 | | developmental, male |
| ethylene oxide | 75-21-8 | | cancer |
| ethylene oxide | 75-21-8 | | female |
| ethylene oxide | 75-21-8 | | developmental, male |
| ethylbenzene | 100-41-4 | | cancer |
| cumene | 98-82-8 | | cancer |
| toluene | 108-88-3 | | developmental |

### Industry or sector specific available guidance(s)

### NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

| Category | Rating | Description |
|---|---|---|
| Chronic | * | chronic (long-term) health effects may result from repeated overexposure |
| Health | 3 | major injury likely unless prompt action is taken and medical treatment is given |
| Flammability | 1 | material that must be preheated before ignition can occur |
| Physical hazard | 0 | material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive |
| Personal protection | - | |

### NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

| Category | Degree of hazard | Description |
|---|---|---|
| Flammability | 1 | material that must be preheated before ignition can occur |
| Health | 3 | material that, under emergency conditions, can cause serious or permanent injury |
| Instability | 0 | material that is normally stable, even under fire conditions |
| Special hazard | | |

### National inventories

| Country | Inventory | Status |
|---|---|---|
| AU | AIIC | all ingredients are listed |
| CA | DSL | all ingredients are listed |
| CA | NDSL | not all ingredients are listed |
| CN | IECSC | all ingredients are listed |
| EU | ECSI | not all ingredients are listed |
| EU | REACH Reg. | not all ingredients are listed |
| JP | CSCL-ENCS | all ingredients are listed |
| JP | ISHA-ENCS | not all ingredients are listed |
| KR | KECI | all ingredients are listed |
| MX | INSQ | all ingredients are listed |
| NZ | NZIoC | all ingredients are listed |
| PH | PICCS | all ingredients are listed |

| Country | Inventory | Status |
|---|---|---|
| TR | CICR | not all ingredients are listed |
| TW | TCSI | all ingredients are listed |
| US | TSCA | all ingredients are listed (ACTIVE) |
| VN | NCI | not all ingredients are listed |

Legend

| | |
|---|---|
| AIIC | Australian Inventory of Industrial Chemicals |
| CICR | Chemical Inventory and Control Regulation |
| CSCL-ENCS | List of Existing and New Chemical Substances (CSCL-ENCS) |
| DSL | Domestic Substances List (DSL) |
| ECSI | EC Substance Inventory (EINECS, ELINCS, NLP) |
| IECSC | Inventory of Existing Chemical Substances Produced or Imported in China |
| INSQ | National Inventory of Chemical Substances |
| ISHA-ENCS | Inventory of Existing and New Chemical Substances (ISHA-ENCS) |
| KECI | Korea Existing Chemicals Inventory |
| NCI | National Chemical Inventory |
| NDSL | Non-domestic Substances List (NDSL) |
| NZIoC | New Zealand Inventory of Chemicals |
| PICCS | Philippine Inventory of Chemicals and Chemical Substances (PICCS) |
| REACH Reg. | REACH registered substances |
| TCSI | Taiwan Chemical Substance Inventory |
| TSCA | Toxic Substance Control Act |

### 15.2 Chemical Safety Assessment

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

## SECTION 16: Other information, including date of preparation or last revision

### Indication of changes (revised safety data sheet)

| Section | Former entry (text/value) | Actual entry (text/value) | Safety-relevant |
|---|---|---|---|
| 2.2 | | - Precautionary statements:<br>change in the listing (table) | yes |
| 2.3 | | Results of PBT and vPvB assessment:<br>Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0.1%. | yes |
| 2.3 | | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0.1%. | yes |
| 3.2 | | Description of the mixture:<br>change in the listing (table) | yes |
| 8.1 | Control parameters:<br>This information is not available. | Control parameters:<br>Occupational exposure limit values (Workplace Exposure Limits)<br>this information is not available | yes |

| Section | Former entry (text/value) | Actual entry (text/value) | Safety-relev-ant |
|---|---|---|---|
| 8.1 | | Relevant DNELs of components of the mixture: change in the listing (table) | yes |
| 8.1 | | Relevant PNECs of components of the mixture: change in the listing (table) | yes |
| 11.1 | | Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table) | yes |
| 12.5 | Results of PBT and vPvB assessment: Data are not available. | Results of PBT and vPvB assessment: According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0.1%. | yes |
| 12.6 | Endocrine disrupting properties: None of the ingredients are listed. | Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0.1%. | yes |
| 15.1 | Toxic Substance Control Act (TSCA): all ingredients are listed | Toxic Substance Control Act (TSCA): all ingredients are listed (ACTIVE) or exempt from listing | yes |
| 15.1 | | National inventories: change in the listing (table) | yes |

## Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|---|---|
| 49 CFR US DOT | 49 CFR U.S. Department of Transportation |
| Acute Tox. | Acute toxicity |
| ATE | Acute Toxicity Estimate |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| DNEL | Derived No-Effect Level |
| DOT | Department of Transportation (USA) |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| ELINCS | European List of Notified Chemical Substances |
| EmS | Emergency Schedule |
| ERG No | Emergency Response Guidebook - Number |
| Eye Dam. | Seriously damaging to the eye |

| Abbr. | Descriptions of used abbreviations |
|---|---|
| Eye Irrit. | Irritant to the eye |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IATA | International Air Transport Association |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA) |
| ICAO | International Civil Aviation Organization |
| ICAO-TI | Technical instructions for the safe transport of dangerous goods by air |
| IMDG | International Maritime Dangerous Goods Code |
| IMDG-Code | International Maritime Dangerous Goods Code |
| Met. Corr. | Substance or mixture corrosive to metals |
| NLP | No-Longer Polymer |
| NPCA-HMIS® III | National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition |
| OSHA | Occupational Safety and Health Administration (United States) |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration |
| RTECS | Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information) |
| Skin Corr. | Corrosive to skin |
| Skin Irrit. | Irritant to skin |
| STOT SE | Specific target organ toxicity - single exposure |
| vPvB | Very Persistent and very Bioaccumulative |

## Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

## Classification procedure

Physical and chemical properties: The classification is based on tested mixture.
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in section 2 and 3)

| Code | Text |
|---|---|
| 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. |
| H335 | May cause respiratory irritation. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.