

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

### 1.1 Product identifier

**MultiPLUS ECO**  
**Article number: 180212, 180213, 180214**  
**UFI: X033-0HM2-A00Y-Y1JE**

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

#### 1.2.1 Relevant uses

Cleaning agent

#### 1.2.2 Uses advised against

None known.

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

**Company** Ferdinand Bilstein GmbH + Co. KG  
Wilhelmstr. 47  
58256 Ennepetal / GERMANY  
Phone +49 2333 911-0  
Fax +49 2333 911-444  
Homepage [www.febi.com](http://www.febi.com)  
E-mail [info@febi.com](mailto:info@febi.com)

#### Address enquiries to

**Technical information** [info@febi.com](mailto:info@febi.com)

**Safety Data Sheet** [info@febi.com](mailto:info@febi.com)

### 1.4 Emergency telephone number

**Advisory body** +49 (0)89-19240 (24h) (English)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture [REGULATION (GB) CLP]

Eye Irrit. 2: H319 Causes serious eye irritation.

### 2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

#### Hazard pictograms



**Signal word** WARNING

**Hazard statements** 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 eye protection.  
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.

**Cleaner, 648/2004/CE, contains:**  
< 5% non-ionic surfactants  
< 5% anionic surfactant

### 2.3 Other hazards

**Environmental hazards** Does not contain any PBT or vPvB substances.

**Other hazards** none

### SECTION 3: Composition / Information on ingredients

#### 3.1 Substances

not applicable

#### 3.2 Mixtures

The product is a mixture.

| Range [%] | Substance   |
|-----------|---|
| 1 - < 3   | Alcohol ethoxylated, C9-11, <2.5 EO                                       |
|           | CAS: 68439-46-3, EINECS/ELINCS: 614-482-0, Reg-No.: 01-2119980051-45-XXXX |
|           | GHS/CLP: Acute Tox. 4: H302 - Eye Dam. 1: H318                            |

#### Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.  
For full text of H-statements: see SECTION 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information

Take off contaminated clothing and wash before reuse.

##### Inhalation

Ensure supply of fresh air.  
In the event of symptoms seek medical treatment.

##### Skin contact

In case of contact with skin wash off with warm water.  
Consult a doctor if skin irritation persists.

##### 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.

##### Ingestion

Get medical advice.  
Do not induce vomiting.  
Rinse out mouth and give plenty of water to drink.

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

No information available.

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

Treat symptomatically.  
If swallowed or in the event of vomiting, risk of product entering the lungs.  
Forward this sheet to your doctor.

### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Fire extinguishing method of surrounding areas must be considered.

##### Extinguishing media that must not be used

Full water jet.

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

Risk of formation of toxic pyrolysis products.

#### 5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.  
Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product.

### 6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not discharge into surface waters/groundwater.

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

Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth).  
Dispose of absorbed material in accordance within the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

No special measures necessary if used correctly.

Do not eat, drink or smoke when using this product.  
Use barrier skin cream.  
Wash hands before breaks and after work.  
Contaminated work clothing should not be allowed out of the workplace.  
Take off contaminated clothing and wash before reuse.

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

Prevent penetration into the ground.  
Do not store together with oxidizing agents.  
Keep container in a well-ventilated place.  
Keep container tightly closed.  
Do not keep at temperatures below 0°C.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

**SECTION 8: Exposure controls / personal protection**

**8.1 Control parameters**

**Ingredients with occupational exposure limits to be monitored (GB)**

not relevant

**DNEL**

|  |
|--|
| Substance  |
| Alcohol ethoxylated, C9-11, <2.5 EO, CAS: 68439-46-3                               |
| Industrial, dermal, Long-term - systemic effects, 2080 mg/kg bw/day                |
| Industrial, inhalative, Long-term - systemic effects, 294 mg/m <sup>3</sup>        |
| general population, oral, Long-term - systemic effects, 25 mg/kg bw/day            |
| general population, dermal, Long-term - systemic effects, 1250 mg/kg bw/day        |
| general population, inhalative, Long-term - systemic effects, 87 mg/m <sup>3</sup> |

**PNEC**

|  |
|--|
| Substance  |
| Alcohol ethoxylated, C9-11, <2.5 EO, CAS: 68439-46-3 |
| soil, 1 mg/kg soil dw                                |
| sediment (seawater), 13.7 mg/kg sediment dw          |
| sediment (freshwater), 13.7 mg/kg sediment dw        |
| sewage treatment plants (STP), 1.4 mg/l              |
| seawater, 0.104 mg/l                                 |
| freshwater, 0.104 mg/l                               |

**8.2 Exposure controls**

|  |   |
|--|---|
| <b>Additional advice on system design</b>                          | Not required under normal conditions.   |
| <b>Eye protection</b>  | Safety glasses. (EN 166:2001)   |
| <b>Hand protection</b>   | The details concerned are recommendations. Please contact the glove supplier for further information.<br>In full contact:<br>> 0.4 mm Butyl rubber, >480 min (EN 374-1/-2/-3).<br>In splash contact:<br>> 0.4 mm Butyl rubber, >120 min (EN 374-1/-2/-3).   |
| <b>Skin protection</b>   | Not required under normal conditions.   |
| <b>Other</b>   | Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.<br>Do not inhale gases/vapours/aerosols.<br>Avoid contact with eyes and skin. |
| <b>Respiratory protection</b>                                      | Not required under normal conditions.   |
| <b>Thermal hazards</b>   | No information available.   |
| <b>Delimitation and monitoring of the environmental exposition</b> | Comply with applicable environmental regulations limiting discharge to air, water and soil.   |

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|   |                           |
|---|---------------------------|
| Physical state                          | liquid                    |
| Form                                    | liquid                    |
| Color                                   | turbid                    |
| Odor                                    | odourless                 |
| Odour threshold                         | not applicable            |
| pH-value                                | ca. 7                     |
| pH-value [1%]                           | No information available. |
| Boiling point [°C]                      | 100                       |
| Flash point [°C]                        | No information available. |
| Flammability (solid, gas) [°C]          | not applicable            |
| Lower explosion limit                   | not applicable            |
| Upper explosion limit                   | not applicable            |
| Oxidising properties                    | no                        |
| Vapour pressure/gas pressure [kPa]      | No information available. |
| Density [g/cm <sup>3</sup> ]            | No information available. |
| Relative density                        | not determined            |
| Bulk density [kg/m <sup>3</sup> ]       | not applicable            |
| Solubility in water                     | miscible                  |
| Solubility other solvents               | No information available. |
| Partition coefficient [n-octanol/water] | No information available. |
| Kinematic viscosity                     | not relevant              |
| Relative vapour density                 | No information available. |
| Evaporation speed                       | No information available. |
| Melting point [°C]                      | No information available. |
| Auto-ignition temperature [°C]          | not applicable            |
| Decomposition temperature [°C]          | not applicable            |
| Particle characteristics                | No information available. |

### 9.2 Other information

No information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3 Possibility of hazardous reactions

Reactions with strong oxidizing agents.

### 10.4 Conditions to avoid

No special measures necessary.

## 10.5 Incompatible materials

See SECTION 7

## 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute oral toxicity

|  |
|--|
| Product  |
| ATE-mix, oral, > 2000 mg/kg bw                       |
| Substance  |
| Alcohol ethoxylated, C9-11, <2.5 EO, CAS: 68439-46-3 |
| LD50, oral, Rat, > 3000 mg/kg                        |

#### Acute dermal toxicity

|  |
|--|
| Substance  |
| Alcohol ethoxylated, C9-11, <2.5 EO, CAS: 68439-46-3 |
| LD50, dermal, Rabbit, > 2000 mg/kg                   |

#### Acute inhalational toxicity

|   |
|---|
| Substance   |
| Alcohol ethoxylated, C9-11, <2.5 EO, CAS: 68439-46-3        |
| LC50, inhalative, Rat, > 1.6 mg/l/4h (Aerosol)              |
| LC50, inhalation (vapour), Rat, > 100 mg/m <sup>3</sup> /6h |

|   |   |
|---|---|
| <b>Serious eye damage/irritation</b>                      | Toxicological data of complete product are not available.<br>Irritant<br>Calculation method |
| <b>Skin corrosion/irritation</b>                          | Based on the available information, the classification criteria are not fulfilled.          |
| <b>Respiratory or skin sensitisation</b>                  | Based on the available information, the classification criteria are not fulfilled.          |
| <b>Specific target organ toxicity — single exposure</b>   | Based on the available information, the classification criteria are not fulfilled.          |
| <b>Specific target organ toxicity — repeated exposure</b> | Based on the available information, the classification criteria are not fulfilled.          |
| <b>Mutagenicity</b>                                       | Based on the available information, the classification criteria are not fulfilled.          |
| <b>Reproduction toxicity</b>                              | Based on the available information, the classification criteria are not fulfilled.          |
| <b>Carcinogenicity</b>                                    | Based on the available information, the classification criteria are not fulfilled.          |
| <b>Aspiration hazard</b>                                  | Based on the available information, the classification criteria are not fulfilled.          |
| <b>General remarks</b>                                    |   |

The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists.

### 11.2 Information on other hazards

|  |                           |
|--|---------------------------|
| <b>Endocrine disrupting properties</b> | No information available. |
| <b>Other information</b>               | none                      |

## SECTION 12: Ecological information

### 12.1 Toxicity

## 12.2 Persistence and degradability

|  |  |
|--|--|
| <b>Behaviour in environment compartments</b> | No information available.  |
| <b>Behaviour in sewage plant</b>             | The product can cause foaming in sewage treatment plants.  |
| <b>Biological degradability</b>              | The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.<br>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. |

## 12.3 Bioaccumulative potential

No information available.

## 12.4 Mobility in soil

No information available.

## 12.5 Results of PBT and vPvB assessment

not applicable

## 12.6 Endocrine disrupting properties

No information available.

## 12.7 Other adverse effects

Ecological data of complete product are not available.  
No classification on the basis of the calculation procedure of the preparation directive.  
The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

#### Product

Dispose of as hazardous waste.  
Coordinate disposal with the authorities if necessary.

#### Waste no. (recommended)

070601\*

#### Contaminated packaging

Uncontaminated packaging may be taken for recycling.  
Packaging that cannot be cleaned should be disposed of as for product.

#### Waste no. (recommended)

150102  
150110\* packaging containing residues of or contaminated by hazardous substances

**SECTION 14: Transport information**

**14.1 UN number or ID number**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

**14.2 UN proper shipping name**

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

**14.3 Transport hazard class(es)**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

**14.4 Packing group**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable



#### 14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

#### 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

|  |   |
|--|---|
| <b>EEC-REGULATIONS</b>                       | 2008/98/EC 2000/532/EC; 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014 |
| <b>TRANSPORT-REGULATIONS</b>                 | ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2023)  |
| <b>NATIONAL REGULATIONS (GB):</b>            | EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.  |
| - Observe employment restrictions for people | Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.  |
| - VOC (2010/75/CE)                           | No information available.   |

#### 15.2 Chemical safety assessment

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

### SECTION 16: Other information

#### 16.1 Hazard statements (SECTION 3)

H318 Causes serious eye damage.  
H302 Harmful if swallowed.

## 16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ATE = acute toxicity estimate  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging  
DMEL = Derived Minimum Effect Level  
DNEL = Derived No Effect Level  
EC50 = Median effective concentration  
ECB = European Chemicals Bureau  
EEC = European Economic Community  
EINECS = European Inventory of Existing Commercial Chemical Substances  
EL50 = Median effective loading  
ELINCS = European List of Notified Chemical Substances  
EmS = Emergency Schedules  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 = Inhibition concentration, 50%  
IMDG = International Maritime Code for Dangerous Goods  
IUCLID = International Uniform Chemical Information Database  
IVIS = In vitro irritation score  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
LC0 = lethal concentration, 0%  
LOAEL = lowest-observed-adverse-effect level  
LL50 = Median lethal loading  
LQ = Limited Quantities  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
NOAEL = No Observed Adverse Effect Level  
NOEC = No Observed Effect Concentration  
PBT = Persistent, Bioaccumulative and Toxic substance  
PNEC = Predicted No-Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
STP = Sewage Treatment Plant  
TLV@TWA = Threshold limit value – time-weighted average  
TLV@STEL = Threshold limit value – short-time exposure limit  
VOC = Volatile Organic Compounds  
vPvB = very Persistent and very Bioaccumulative

## 16.3 Other information

### Classification procedure

Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)

### Modified position

none