

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



## SOLUS MULTI

WM 1213068

Order number: 0713068

Version 7.3

Revision Date 21.07.2026

Print Date 29.07.2026

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

#### 1.1 Product identifier

Trade name : SOLUS MULTI  
UFI : 5PK6-Y05W-100R-17MM

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

Use of the Substance/Mixture : Cleaning agent  
Restricted to professional users.

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

Company : Tana Chemie GmbH  
Rheinallee 96  
55120 Mainz  
Telephone : +49613196403  
Telefax : +4961319642526  
E-mail address : Produktsicherheit@werner-mertz.com  
Responsible/issuing person  
Contact person : Product development / product safety

#### 1.4 Emergency telephone

EU: 112

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

#### 2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Safety data sheet available on request.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SOLUS MULTI

WM 1213068

Order number: 0713068

Version 7.3

Revision Date 21.07.2026

Print Date 29.07.2026

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Components

| Chemical name                                            | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number    | Classification                                                                                                                                                                   | Concentration<br>(% w/w) |
|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| ethanol                                                  | 64-17-5<br>200-578-6<br>603-002-00-5<br>01-2119457610-43 | Flam. Liq. 2; H225<br>Eye Irrit. 2; H319<br><br>specific concentration<br>limit<br>Eye Irrit. 2; H319<br>≥ 50 %                                                                  | ≥ 5 - < 10               |
| Alcohols, C12-14, ethoxylated,<br>sulfates, sodium salts | 68891-38-3<br>500-234-8<br>01-2119488639-16              | Skin Irrit. 2; H315<br>Eye Dam. 1; H318<br>Aquatic Chronic 3;<br>H412<br><br>specific concentration<br>limit<br>Eye Irrit. 2; H319<br>5 - < 10 %<br>Eye Dam. 1; H318<br>≥ 10,0 % | ≥ 1 - < 3                |

### SECTION 4: First aid measures

#### 4.1 Description of first-aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.  
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.
- In case of eye contact : Protect unharmed eye.  
If easy to do, remove contact lens, if worn.  
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.

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

- Symptoms : No information available.
- Risks : No information available.

## SOLUS MULTI

WM 1213068

Order number: 0713068

Version 7.3

Revision Date 21.07.2026

Print Date 29.07.2026

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

Treatment : For specialist advice physicians should contact the Poisons Information Service.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : No hazardous combustion products are known

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.

### 6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.

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

Methods for cleaning up : Sweep up and shovel.  
Wipe up with absorbent material (e.g. cloth, fleece).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For personal protection see section 8., Treat recovered material as described in the section "Disposal considerations"., Refer to section 15 for specific national regulation.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.

## SOLUS MULTI

**WM 1213068**

**Order number: 0713068**

Version 7.3

Revision Date 21.07.2026

Print Date 29.07.2026

No special handling advice required.

Advice on protection against fire and explosion : Vapors may form explosive mixtures with air.

Hygiene measures : Wash hands before breaks and at the end of workday.

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

Requirements for storage areas and containers : Store in cool place. Store at room temperature in the original container.

Advice on common storage : No special restrictions on storage with other products.

Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : Cleaning agent

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

| Substance name                                        | End Use   | Routes of exposure | Potential health effects   | Value                  |
|-------------------------------------------------------|-----------|--------------------|----------------------------|------------------------|
| ethanol                                               | Workers   | Inhalation         | Acute local effects        | 1900 mg/m <sup>3</sup> |
|                                                       | Workers   | Inhalation         | Long-term systemic effects | 950 mg/m <sup>3</sup>  |
|                                                       | Workers   | Skin contact       | Long-term systemic effects | 343 mg/kg              |
|                                                       | Consumers | Inhalation         | Acute local effects        | 950 mg/m <sup>3</sup>  |
|                                                       | Consumers | Skin contact       | Long-term systemic effects | 206 mg/kg              |
|                                                       | Consumers | Inhalation         | Long-term systemic effects | 114 mg/m <sup>3</sup>  |
|                                                       | Consumers | Ingestion          | Long-term systemic effects | 87 mg/kg               |
|                                                       | Consumers | Skin contact       | Acute local effects        | 950 mg/m <sup>3</sup>  |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | Workers   | Inhalation         | Long-term systemic effects | 175 mg/m <sup>3</sup>  |

## SOLUS MULTI

WM 1213068

Order number: 0713068

Version 7.3

Revision Date 21.07.2026

Print Date 29.07.2026

|  |           |              |                            |                   |
|--|-----------|--------------|----------------------------|-------------------|
|  | Consumers | Inhalation   | Long-term systemic effects | 52 mg/m3          |
|  | Consumers | Ingestion    | Long-term systemic effects | 15 mg/kg bw/day   |
|  | Consumers | Skin contact | Long-term local effects    | 0,079 mg/cm2      |
|  | Workers   | Skin contact | Long-term systemic effects | 5830 mg/kg bw/day |
|  | Consumers | Skin contact |                            | 2500 mg/kg bw/day |

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name                                        | Environmental Compartment | Value                          |
|-------------------------------------------------------|---------------------------|--------------------------------|
| ethanol                                               | Fresh water               | 0,96 mg/l                      |
|                                                       | Sea water                 | 0,79 mg/l                      |
|                                                       | Fresh water sediment      | 3,6 mg/kg                      |
|                                                       | Soil                      | 0,63 mg/kg                     |
|                                                       | STP                       | 580 mg/l                       |
|                                                       | intermittent release      | 2,75 mg/l                      |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | Fresh water               | 0,129 mg/l                     |
|                                                       | Sea water                 | 0,024 mg/l                     |
|                                                       | Fresh water sediment      | 4,835 mg/kg dry weight (d.w.)  |
|                                                       | Sea sediment              | 0,4835 mg/kg dry weight (d.w.) |
|                                                       | Soil                      | 7,5 mg/kg dry weight (d.w.)    |
|                                                       | STP                       | 10000 mg/l                     |
|                                                       | intermittent release      | 0,071 mg/l                     |

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : not required under normal use

## **SOLUS MULTI**

**WM 1213068**

**Order number: 0713068**

Version 7.3

Revision Date 21.07.2026

Print Date 29.07.2026

### Hand protection

**Material** : For prolonged or repeated contact use protective gloves.

It is suggested the usage of chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

As alternative, a different type of gloves might be used if, accordingly to the recommendations of the producer, guarantee the same level of protection.

**Material** : not required under normal use

**Remarks** : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

**Skin and body protection** : not required under normal use

**Respiratory protection** : not required under normal use

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## **SECTION 9: Physical and chemical properties**

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

**Physical state** : liquid

**Color** : light yellow

**Odor** : pleasant

**Melting point/freezing point** : No data available

**Boiling point/boiling range** : No data available

**Flammability (solid, gas)** : No data available

**Flammability (liquids)** : Does not sustain combustion.

Not classified as supporting combustion according to the transport regulations.

**Lower explosion limit** : No data available

## **SOLUS MULTI**

**WM 1213068**

**Order number: 0713068**

Version 7.3

Revision Date 21.07.2026

Print Date 29.07.2026

|                                            |                                        |
|--------------------------------------------|----------------------------------------|
| Upper explosion limit                      | : No data available                    |
| Flash point                                | : 50,6 °C                              |
| Ignition temperature                       | : No data available                    |
| Decomposition temperature                  | : No data available                    |
| pH                                         | : ca. 8,7, 100 %<br>at 20 °C           |
| Viscosity, dynamic                         | : ca. 140 mPa.s at 20 °C               |
| Viscosity, kinematic                       | : No data available                    |
| Water solubility                           | : completely miscible                  |
| Solubility in other solvents               | : No data available                    |
| Partition coefficient: n-<br>octanol/water | : No data available                    |
| Vapor pressure                             | : No data available                    |
| Density                                    | : ca. 1,009 g/cm <sup>3</sup> at 20 °C |
| Relative density                           | : No data available                    |
| Relative vapor density                     | : No data available                    |
| Particle characteristics                   | : No data available                    |

### **9.2 Other information**

none

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

Stable under recommended storage conditions.  
No dangerous reaction known under conditions of normal use.

### **10.2 Chemical stability**

No decomposition if stored and applied as directed.

### **10.3 Possibility of hazardous reactions**

Hazardous reactions : No hazards to be specially mentioned.

### **10.4 Conditions to avoid**

Conditions to avoid : Heat.

### **10.5 Incompatible materials**

Materials to avoid : No data available

### **10.6 Hazardous decomposition products**

No hazardous decomposition products are known.  
No hazardous decomposition products are known.

## SOLUS MULTI

WM 1213068

Order number: 0713068

Version 7.3

Revision Date 21.07.2026

Print Date 29.07.2026

### SECTION 11: Toxicological information

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

Our company is strongly against animal testing.  
Our company does not place any orders for animal testing for the finished product or the ingredients.  
However, as a result of EU legislation (REACH Regulation), the manufacturers of ingredients or EU importers are obliged to test ingredients with regard to their effects on human health and the environment before they are brought onto the market. Some of the tests made necessary by this took place decades ago.

##### Acute toxicity

Not classified due to lack of data.

Acute toxicity : Not Rated

##### Components:

###### ethanol

##### 64-17-5:

Acute oral toxicity : LD50 Oral (Rat): 10.470 mg/kg  
Method: OECD Test Guideline 401

LD50 (Rat): 5.000 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 51 mg/l  
Exposure time: 4 h

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg  
Method: OECD Test Guideline 402

LD50 Dermal (Rabbit): > 10.000 mg/kg  
Method: OECD Test Guideline 402

##### Alcohols, C12-14, ethoxylated, sulfates, sodium salts

##### 68891-38-3:

Acute oral toxicity : LD50 (Rat): 2.000 - 5.000 mg/kg  
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 Dermal (Rat): > 2.000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes

##### Skin corrosion/irritation

Not classified due to lack of data.

##### Product:

Remarks : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

##### Components:

###### ethanol

##### 64-17-5:

Species : Rabbit  
Method : OECD Test Guideline 404

## SOLUS MULTI

WM 1213068

Order number: 0713068

Version 7.3

Revision Date 21.07.2026

Print Date 29.07.2026

Result : No skin irritation

### Alcohols, C12-14, ethoxylated, sulfates, sodium salts

#### 68891-38-3:

Species : Rabbit  
Assessment : Irritating to skin.  
Method : OECD Test Guideline 404

### Serious eye damage/eye irritation

Not classified due to lack of data.

#### Product:

Remarks : According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

#### Components:

##### ethanol

#### 64-17-5:

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : Mild eye irritation

### Alcohols, C12-14, ethoxylated, sulfates, sodium salts

#### 68891-38-3:

Species : Rabbit  
Assessment : Risk of serious damage to eyes.  
Method : OECD Test Guideline 405

### Respiratory or skin sensitization

#### Skin sensitization

Not classified due to lack of data.

#### Respiratory sensitization

Not classified due to lack of data.

#### Product:

Remarks : No data available

#### Components:

##### ethanol

#### 64-17-5:

Result : Not a skin sensitizer.

### Alcohols, C12-14, ethoxylated, sulfates, sodium salts

#### 68891-38-3:

Routes of exposure : Dermal  
Species : Guinea pig  
Result : Does not cause skin sensitization.

## SOLUS MULTI

WM 1213068

Order number: 0713068

Version 7.3

Revision Date 21.07.2026

Print Date 29.07.2026

### Germ cell mutagenicity

Not classified due to lack of data.

Germ cell mutagenicity : Not Rated

### Components:

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

#### 68891-38-3:

Genotoxicity in vitro : Method: OECD Test Guideline 471  
Result: negative

### Carcinogenicity

Not classified due to lack of data.

Carcinogenicity : Not Rated

### Reproductive toxicity

Not classified due to lack of data.

Reproductive toxicity : Not Rated

### STOT-single exposure

Not classified due to lack of data.

STOT-single exposure : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### STOT-repeated exposure

Not classified due to lack of data.

STOT-repeated exposure : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### Repeated dose toxicity

#### Components:

#### ethanol

#### 64-17-5:

Species : Rat, male  
NOAEL : > 20 mg/kg  
Method : OECD Test Guideline 403

Species : Rat, female  
NOAEL : 1.730 mg/kg  
Method : OECD Test Guideline 408

### Aspiration toxicity

Not classified due to lack of data.

Aspiration toxicity : Not Rated

## SOLUS MULTI

WM 1213068

Order number: 0713068

Version 7.3

Revision Date 21.07.2026

Print Date 29.07.2026

### 11.2 Information on other hazards

#### Endocrine disrupting properties

**Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### Further information

**Product:**

Remarks : No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

**Components:**

**ethanol**

**64-17-5:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 13 g/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

LC50 (Leuciscus idus (Golden orfe)): 8.150 mg/l  
Exposure time: 48 h

LC50 (Pimephales promelas (fathead minnow)): > 0,1 g/l  
Exposure time: 96 h

LC50 (Fish): 11.200 mg/l

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 12.340 mg/l  
Exposure time: 48 h

EC50 : 5.012 mg/l

Toxicity to algae/aquatic plants : EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l  
Exposure time: 72 h  
Test Type: Growth inhibition  
Method: OECD Test Guideline 201

EC50 (Scenedesmus capricornutum (fresh water algae)): 12.900 mg/l  
Exposure time: 48 h  
Test Type: Growth inhibition  
Method: No information available.

EC0 (Scenedesmus quadricauda (Green algae)): 5.000 mg/l  
Exposure time: 168 h

EC50 : 4.432 mg/l

EC10 : 11,5 mg/l

## SOLUS MULTI

WM 1213068

Order number: 0713068

Version 7.3

Revision Date 21.07.2026

Print Date 29.07.2026

EC10 : 280 mg/l

Toxicity to microorganisms : EC50 (*Pseudomonas putida*): 11.800 mg/l  
Exposure time: 16 h  
Test Type: Cell multiplication inhibition test

### Alcohols, C12-14, ethoxylated, sulfates, sodium salts

#### 68891-38-3:

Toxicity to fish : LC50 (*Danio rerio* (zebra fish)): 7,1 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Method: OECD Test Guideline 203  
GLP: yes

LC50 (Fish): > 1 - 10 mg/l  
Test Type: flow-through test  
Method: OECD Test Guideline 203

LC50 (*Leuciscus idus* (Golden orfe)): 10 - 100 mg/l  
Method: OECD Test Guideline 203

NOEC (*Oncorhynchus mykiss* (rainbow trout)): 0,14 mg/l  
Exposure time: 28 d  
Test Type: flow-through test  
Method: OECD Test Guideline 204

LC50 (*Brachydanio rerio* (zebrafish)): 1 - 10 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Method: OECD Test Guideline 203

LC50 (*Brachydanio rerio* (zebrafish)): 7,1 mg/l  
Exposure time: 96 h

NOEC (Fish): 0,1 - 1 mg/l  
Exposure time: 28 Days

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia pulex* (Water flea)): 7,4 mg/l  
Exposure time: 48 h  
Test Type: Immobilization  
Method: OECD Test Guideline 202

EC50 (*Daphnia magna* (Water flea)): > 1 - 10 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202

NOEC (*Daphnia magna* (Water flea)): 0,27 mg/l  
Exposure time: 21 d  
Test Type: flow-through test  
Method: OECD Test Guideline 211

EC50 (*Daphnia*): 1 - 10 mg/l  
Exposure time: 48 h

NOEC (*Daphnia*): 0,1 - 1 mg/l  
Exposure time: 21 Days

Toxicity to algae/aquatic plants : EC50 (*Desmodesmus subspicatus* (green algae)): 27,7 mg/l  
Exposure time: 72 h

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



## SOLUS MULTI

WM 1213068

Order number: 0713068

Version 7.3

Revision Date 21.07.2026

Print Date 29.07.2026

Test Type: Growth inhibition  
Method: OECD Test Guideline 201  
GLP: yes

EC50 (Desmodesmus subspicatus (green algae)): > 10 - 100 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201

NOEC : 0,95 mg/l  
Test Type: Growth inhibition  
Method: OECD Test Guideline 201

NOEC (Desmodesmus subspicatus (green algae)): 0,93 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201

EC50 (algae): 27,7 mg/l  
Exposure time: 72 h  
Test Type: Growth inhibition

NOEC (algae): 0,93 mg/l  
Exposure time: 72 h

EC50 (algae): 10 - 100 mg/l  
Exposure time: 72 h

NOEC (algae): 0,1 - 1 mg/l  
Exposure time: 72 h

Toxicity to microorganisms : EC50 (Pseudomonas putida): > 10 g/l  
Exposure time: 16 h  
Test Type: Cell multiplication inhibition test  
Method: DIN 38412  
GLP: yes

EC10 (Pseudomonas putida): > 10 g/l  
Exposure time: 16 h  
Test Type: Cell multiplication inhibition test

Toxicity to fish (Chronic toxicity) : NOEC: 1 - 10 mg/l  
Species: Leuciscus idus (Golden orfe)  
NOEC: 0,14 mg/l  
Exposure time: 28 d  
Species: Oncorhynchus mykiss (rainbow trout)  
Method: OECD Test Guideline 204

NOEC: 0,2 mg/l  
Exposure time: 28 d  
Species: Fish

NOEC: > 0,1 - 1 mg/l  
Exposure time: 28 d  
Species: Oncorhynchus mykiss (rainbow trout)  
Method: OECD Test Guideline 204

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: > 0,1 - 1 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)

## SOLUS MULTI

WM 1213068

Order number: 0713068

Version 7.3

Revision Date 21.07.2026

Print Date 29.07.2026

Method: OECD Test Guideline 211

EC50: 0,37 mg/l  
Exposure time: 21 d

0,74 mg/l  
Exposure time: 21 d

NOEC: 0,27 mg/l  
Exposure time: 21 d

Toxicity to soil dwelling organisms : NOEC: 750 mg/kg  
Exposure time: 56 d  
Species: Eisenia fetida (earthworms)  
Method: OECD Test Guideline 222  
Remarks: Information taken from reference works and the literature.

### 12.2 Persistence and degradability

#### Product:

Biodegradability : Remarks: The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

#### Components:

##### **ethanol**

##### **64-17-5:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 97 %  
Method: OECD Test Guideline 301

##### **Alcohols, C12-14, ethoxylated, sulfates, sodium salts**

##### **68891-38-3:**

Biodegradability : Test Type: aerobic  
Result: rapidly biodegradable  
Biodegradation: > 70 %  
Exposure time: 28 d  
Method: OECD 301 A

Test Type: anaerobic  
Result: Biodegradable  
Biodegradation: > 60 %  
Exposure time: 41 d  
Method: OECD 301 D

Result: Readily biodegradable.  
Biodegradation: 93 %  
Exposure time: 28 d

Biochemical Oxygen Demand (BOD) : 285 mg/g  
Incubation time: 5 d

Chemical Oxygen Demand (COD) : 518 mg/g

## SOLUS MULTI

WM 1213068

Order number: 0713068

Version 7.3

Revision Date 21.07.2026

Print Date 29.07.2026

### 12.3 Bioaccumulative potential

#### Components:

##### ethanol

##### 64-17-5:

Bioaccumulation : Concentration: 3,2 mg/l

Partition coefficient: n-octanol/water : log Pow: -0,32

##### Alcohols, C12-14, ethoxylated, sulfates, sodium salts

##### 68891-38-3:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### Components:

##### Alcohols, C12-14, ethoxylated, sulfates, sodium salts

##### 68891-38-3:

Assessment : Not very persistent and very bioaccumulative (vPvB).. Not persistent, bioaccumulative, and toxic (PBT).

### 12.6 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

#### Product:

Additional ecological information : There is no data available for this product.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SOLUS MULTI

WM 1213068

Order number: 0713068

Version 7.3

Revision Date 21.07.2026

Print Date 29.07.2026

Waste Code

European Waste Catalog

20 01 29\*

According to the European Waste Catalog, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

### SECTION 14: Transport information

#### 14.1 UN number or ID number

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

#### 14.4 Packing group

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

#### 14.5 Environmental hazards

ADR

Not dangerous goods

IMDG

Not regulated as a dangerous good

IATA

Not dangerous goods

#### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

For personal protection see section 8.

#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

### SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : 1310-73-2  
78-93-3  
9014-01-1  
63500-71-0

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



## SOLUS MULTI

WM 1213068

Order number: 0713068

Version 7.3

Revision Date 21.07.2026

Print Date 29.07.2026

|                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                     | 78-70-6<br>See Annex XVII to Regulation (EC) no<br>1907/2006 for Conditions of restriction                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Regulation (EC) No 649/2012 of the European Parliament and<br>the Council concerning the export and import of dangerous<br>chemicals                                | : Not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                     | : Directive 96/82/EC does not apply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Seveso III: Directive 2012/18/EU<br>of the European Parliament and of<br>the Council on the control of<br>major-accident hazards involving<br>dangerous substances. | : Not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| TA Luft List (Germany)                                                                                                                                              | : Total dust: Not applicable<br>: Inorganic substances in powdered form: Not applicable<br>: Inorganic substances in gaseous form: Not applicable<br>: Carcinogenic substance: Not applicable<br>: Quartz fine dust PM4: Not applicable<br>: Formaldehyde: Not applicable<br>: fibers: Not applicable<br>: Germ cell mutagens: Not applicable<br>: Substances toxic to reproduction: Not applicable<br>: Poorly degradable, easily enrichable and highly toxic organic<br>substances: Not applicable<br>: Organic Substances: : portionClass 1: 0,04 % |
| Volatile organic compounds<br>(VOC) content                                                                                                                         | : Directive 2010/75/EU of 24 November 2010 on industrial and<br>livestock rearing emissions (integrated pollution prevention and<br>control)<br>Update: Percent volatile: 7,99 %                                                                                                                                                                                                                                                                                                                                                                       |
| according to Detergents<br>Regulation EC 648/2004                                                                                                                   | : 5 - <15% non-ionic surfactants, <5% soap, anionic surfactants,<br>enzymes, perfumes, PROTEASE, AMYLASE, PECTATE LYASE,<br>MANNANASE                                                                                                                                                                                                                                                                                                                                                                                                                  |

### 15.2 Chemical Safety Assessment

#### SECTION 16: Other information

##### Full text of H-Statements

|      |                                                      |
|------|------------------------------------------------------|
| H225 | : Highly flammable liquid and vapor.                 |
| H315 | : Causes skin irritation.                            |
| H318 | : Causes serious eye damage.                         |
| H319 | : Causes serious eye irritation.                     |
| H412 | : Harmful to aquatic life with long lasting effects. |

##### Full text of other abbreviations

|                 |                                      |
|-----------------|--------------------------------------|
| Aquatic Chronic | : Long-term (chronic) aquatic hazard |
| Eye Dam.        | : Serious eye damage                 |
| Eye Irrit.      | : Eye irritation                     |
| Flam. Liq.      | : Flammable liquids                  |
| Skin Irrit.     | : Skin irritation                    |

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ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

#### Classification procedure:

Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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