

**Taski Sprint Spitfire Spray E5c**

Revision: 2014-02-06

Version: 04

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

**1.1 Product identifier**

**Trade name:** Taski Sprint Spitfire Spray E5c

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

**Identified uses:**

For professional use only.

AISE-P301 - General purpose cleaner. Manual process

AISE-P302 - General purpose cleaner. Spray and wipe manual process

**Uses advised against:** Uses other than those identified are not recommended

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

Diversey Ltd

**Contact details**

Weston Favell Centre, Northampton NN3 8PD, United Kingdom

Tel: 01604 405311, Fax: 01604 406809

Regulatory Email: MSDSinfoUK@sealedair.com

**1.4 Emergency telephone number**

For medical or environmental emergency only:

call 0800 052 0185

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

The product has been classified and labelled in accordance with Directive 1999/45/EC and corresponding national legislation.

**Indication of danger**

Xi - Irritant

**Risk phrases:**

R36 - Irritating to eyes.

**2.2 Label elements**



Xi - Irritant

**Risk phrases:**

R36 - Irritating to eyes.

**Safety phrases:**

S23d - Do not breathe spray.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S51 - Use only in well-ventilated areas.

**Further indications on the label:**

Rinse and dry hands after use. For prolonged contact, protection for the skin may be necessary.

**2.3 Other hazards**

No other hazards known. The product does not meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006, Annex XIII.

**SECTION 3: Composition/information on ingredients**

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## 3.2 Mixtures

| Ingredient(s)                             | EC number | CAS number | REACH number     | Classification                  | Classification (EC) 1272/2008   | Notes | Weight percent |
|---|-----------|------------|------------------|---------------------------------|---|-------|----------------|
| 2-butoxyethanol                           | 203-905-0 | 111-76-2   | 01-2119475108-36 | Xn;R20/21/22<br>Xi;R36/38       | Acute Tox. 4 (H302)<br>Acute Tox. 4 (H312)<br>Acute Tox. 4 (H332)<br>Skin Irrit. 2 (H315)<br>Eye Irrit. 2 (H319)                          |       | 3-10           |
| 2-aminoethanol                            | 205-483-3 | 141-43-5   | 01-2119486455-28 | Xn;R20/21/22<br>C;R34<br>Xi;R37 | Skin Corr. 1B (H314)<br>Acute Tox. 4 (H302)<br>Acute Tox. 4 (H312)<br>Acute Tox. 4 (H332)<br>STOT SE 3 (H335)<br>Aquatic Chronic 3 (H412) |       | 1-3            |
| sodium xylene sulphonate                  | 215-090-9 | 1300-72-7  | 01-2119513350-56 | Xi;R36/37/38                    | Skin Irrit. 2 (H315)<br>Eye Irrit. 2 (H319)<br>STOT SE 3 (H335)   |       | 1-3            |
| tetrasodium ethylene diamine tetraacetate | 200-573-9 | 64-02-8    | 01-2119486762-27 | Xn;R20/22<br>Xi;R41             | Eye Dam. 1 (H318)<br>Acute Tox. 4 (H302)<br>Acute Tox. 4 (H332)<br>Met. Corr. 1 (H290)  |       | 1-3            |
| alkyl alcohol ethoxylate                  | Polymer*  | 68439-46-3 | [4]              | Xn;R22<br>Xi;R41                | Eye Dam. 1 (H318)<br>Acute Tox. 4 (H302)  |       | 1-3            |

\* Polymer.

For the full text of the R, H and EUH phrases mentioned in this Section, see Section 16.

Workplace exposure limit(s), if available, are listed in subsection 8.1.

[1] Exempted: ionic mixture. See Regulation (EC) No 1907/2006, Annex V, paragraph 3 and 4. This salt is potentially present, based on calculation, and included for classification and labelling purposes only. Each starting material of the ionic mixture is registered, as required.

[2] Exempted: included in Annex IV of Regulation (EC) No 1907/2006.

[3] Exempted: Annex V of Regulation (EC) No 1907/2006.

[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### Inhalation

Remove from source of exposure. Get medical attention.

#### Skin contact:

Not required under normal use. If irritation develops get medical attention. Rinse with plenty of water.

#### Eye contact:

Wash off immediately with plenty of water. Get medical attention.

#### Ingestion:

Remove material from mouth. Immediately drink 1-2 glasses of water or milk. Get medical attention.

#### Self-protection of first aider:

Consider personal protective equipment as indicated in subsection 8.2.

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

#### Inhalation:

Causes irritation.

#### Skin contact:

Unlikely to be irritant in normal use.

#### Eye contact:

Causes irritation.

#### Ingestion:

Causes irritation.

#### Sensitisation:

No known effects.

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

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

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

No special hazards known.

### 5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

## SECTION 6: Accidental release measures

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

No special measures required.

### 6.2 Environmental precautions

Do not allow to enter drainage system, surface or ground water. Dilute with plenty of water.

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

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Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

#### 6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling:

Handle in accordance with good industrial hygiene and safety practice. Do not mix with other products unless advised by Diversey. Use only with adequate ventilation. Avoid formation of aerosol. For advice on general occupational hygiene see subsection 8.2. For environmental exposure controls see subsection 8.2. For incompatible materials see subsection 10.5.

#### Prevention of fire and explosion:

No special precautions required.

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

#### Requirements for storage rooms / facilities:

In accordance with local and national regulations.

#### Combined storage in storage rooms / facilities:

In accordance with local and national regulations. For incompatible materials see subsection 10.5.

#### Basic storage conditions

Store in original container. Keep container tightly closed. For conditions to avoid see subsection 10.4.

### 7.3 Specific end use(s)

No specific advice for end use available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Workplace exposure limits

Air limit values, if available:

| Ingredient(s)   | UK - Long term value(s)         | UK - Short term value(s)        |
|-----------------|---------------------------------|---------------------------------|
| 2-butoxyethanol | 25 ppm<br>123 mg/m <sup>3</sup> | 50 ppm<br>246 mg/m <sup>3</sup> |
| 2-aminoethanol  | 1 ppm<br>2.5 mg/m <sup>3</sup>  | 3 ppm<br>7.6 mg/m <sup>3</sup>  |

Biological limit values, if available:

Recommended monitoring procedures, if available:

Additional exposure limits under the conditions of use, if available:

#### DNEL/DMEL and PNEC values

##### Human exposure

DNEL oral exposure - Consumer (mg/kg bw)

| Ingredient(s)                             | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|---|----------------------------|-------------------------------|---------------------------|------------------------------|
| 2-butoxyethanol                           | No data available          | 13.4                          | No data available         | 3.2                          |
| 2-aminoethanol                            | No data available          | No data available             | No data available         | 3.75                         |
| sodium xylene sulphonate                  | No data available          | No data available             | No data available         | 3.8                          |
| tetrasodium ethylene diamine tetraacetate | No data available          | No data available             | No data available         | 25                           |
| alkyl alcohol ethoxylate                  | No data available          | No data available             | No data available         | No data available            |

DNEL dermal exposure - Worker

| Ingredient(s)                             | Short term - Local effects | Short term - Systemic effects (mg/kg bw) | Long term - Local effects | Long term - Systemic effects (mg/kg bw) |
|---|----------------------------|--|---------------------------|---|
| 2-butoxyethanol                           | No data available          | 89                                       | No data available         | 75                                      |
| 2-aminoethanol                            | No data available          | No data available                        | No data available         | 1                                       |
| sodium xylene sulphonate                  | No data available          | No data available                        | No data available         | 7.6                                     |
| tetrasodium ethylene diamine tetraacetate | No data available          | No data available                        | No data available         | No data available                       |
| alkyl alcohol ethoxylate                  | No data available          | No data available                        | No data available         | No data available                       |

DNEL dermal exposure - Consumer

| Ingredient(s)                             | Short term - Local effects | Short term - Systemic effects (mg/kg bw) | Long term - Local effects | Long term - Systemic effects (mg/kg bw) |
|---|----------------------------|--|---------------------------|---|
| 2-butoxyethanol                           | No data available          | 44.5                                     | No data available         | 38                                      |
| 2-aminoethanol                            | No data available          | No data available                        | No data available         | 0.24                                    |
| sodium xylene sulphonate                  | No data available          | No data available                        | No data available         | 3.8                                     |
| tetrasodium ethylene diamine tetraacetate | No data available          | No data available                        | No data available         | No data available                       |

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|                          |                   |                   |                   |                   |
|--------------------------|-------------------|-------------------|-------------------|-------------------|
| alkyl alcohol ethoxylate | No data available | No data available | No data available | No data available |
|--------------------------|-------------------|-------------------|-------------------|-------------------|

DNEL inhalatory exposure - Worker (mg/m<sup>3</sup>)

| Ingredient(s)                             | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|---|----------------------------|-------------------------------|---------------------------|------------------------------|
| 2-butoxyethanol                           | 246                        | 663                           | No data available         | 98                           |
| 2-aminoethanol                            | No data available          | No data available             | 3.3                       | 3.3                          |
| sodium xylene sulphonate                  | No data available          | No data available             | No data available         | 53.6                         |
| tetrasodium ethylene diamine tetraacetate | 2.5                        | 2.5                           | No data available         | No data available            |
| alkyl alcohol ethoxylate                  | No data available          | No data available             | No data available         | No data available            |

DNEL inhalatory exposure - Consumer (mg/m<sup>3</sup>)

| Ingredient(s)                             | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|---|----------------------------|-------------------------------|---------------------------|------------------------------|
| 2-butoxyethanol                           | 123                        | 426                           | No data available         | 49                           |
| 2-aminoethanol                            | No data available          | No data available             | 2                         | 2                            |
| sodium xylene sulphonate                  | No data available          | No data available             | No data available         | 13.2                         |
| tetrasodium ethylene diamine tetraacetate | 1.5                        | 1.5                           | No data available         | No data available            |
| alkyl alcohol ethoxylate                  | No data available          | No data available             | No data available         | No data available            |

**Environmental exposure**

Environmental exposure - PNEC

| Ingredient(s)                             | Surface water, fresh (mg/l) | Surface water, marine (mg/l) | Intermittent (mg/l) | Sewage treatment plant (mg/l) |
|---|-----------------------------|------------------------------|---------------------|-------------------------------|
| 2-butoxyethanol                           | 8.8                         | 0.88                         | 9.1                 | 463                           |
| 2-aminoethanol                            | 0.085                       | 0.0085                       | 0.025               | 100                           |
| sodium xylene sulphonate                  | 0.23                        | No data available            | 2.3                 | 100                           |
| tetrasodium ethylene diamine tetraacetate | 2.2                         | 0.22                         | 1.2                 | 43                            |
| alkyl alcohol ethoxylate                  | No data available           | No data available            | No data available   | No data available             |

Environmental exposure - PNEC, continued

| Ingredient(s)                             | Sediment, freshwater (mg/kg) | Sediment, marine (mg/kg) | Soil (mg/kg)      | Air (mg/m <sup>3</sup> ) |
|---|------------------------------|--------------------------|-------------------|--------------------------|
| 2-butoxyethanol                           | 34.6                         | 3.46                     | 3.13              | No data available        |
| 2-aminoethanol                            | 0.425                        | 0.0425                   | 0.035             | 0.025                    |
| sodium xylene sulphonate                  | No data available            | No data available        | No data available | No data available        |
| tetrasodium ethylene diamine tetraacetate | No data available            | No data available        | 0.72              | No data available        |
| alkyl alcohol ethoxylate                  | No data available            | No data available        | No data available | No data available        |

**8.2 Exposure controls****General health and safety measures**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and at the end of workday. Do not breathe gases, vapour, spray or aerosols. Use only in well-ventilated areas. Avoid contact with eyes.

The following information applies for the uses indicated in subsection 1.2.

If available, please refer to the product information sheet for application and handling instructions.

Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

**Appropriate engineering controls:** Use only in well ventilated areas.  
**Appropriate organisational controls:** Avoid direct contact and/or splashes where possible. Train personnel.

**Personal protective equipment**

**Eye / face protection:** Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product.  
**Hand protection:** Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.  
**Body protection:** No special requirements under normal use conditions.  
**Respiratory protection:** Respiratory protection is not normally required. However, inhalation of vapour, spray, gas or aerosols should be avoided.

**Environmental exposure controls:** No special requirements under normal use conditions.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Information in this section refers to the product, unless it is specifically stated that substance data is listed

|  | Method / remark |
|--|-----------------|
| <b>Physical State:</b> Liquid          |                 |
| <b>Colour:</b> Clear, Pale, Blue       |                 |
| <b>Odour:</b> Slightly perfumed        |                 |
| <b>Odour threshold:</b> Not applicable |                 |

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pH: ≈ 12 (neat)

Melting point/freezing point (°C): Not determined

Initial boiling point and boiling range (°C): Not determined

Substance data, boiling point

| Ingredient(s)                             | Value (°C) | Method           | Atmospheric pressure (hPa) |
|---|------------|------------------|----------------------------|
| 2-butoxyethanol                           | 168-172    | Method not given | 1013                       |
| 2-aminoethanol                            | 169-171    | Method not given | 1013                       |
| sodium xylene sulphonate                  | > 100      | Method not given |                            |
| tetrasodium ethylene diamine tetraacetate | 100        | Method not given |                            |
| alkyl alcohol ethoxylate                  | > 232.2    | Method not given |                            |

Method / remark

Flash point (°C): Not applicable.

Sustained combustion: Not determined

Evaporation rate: Not determined

Flammability (solid, gas): Not determined

Upper/lower flammability limit (%): Not determined

Substance data, flammability or explosive limits, if available:

| Ingredient(s)   | Lower limit (% vol) | Upper limit (% vol) |
|-----------------|---------------------|---------------------|
| 2-butoxyethanol | 1.1                 | 10.6                |
| 2-aminoethanol  | 3.4                 | 27                  |

Method / remark

Vapour pressure: Not determined

Substance data, vapour pressure

| Ingredient(s)                             | Value (Pa)        | Method           | Temperature (°C) |
|---|-------------------|------------------|------------------|
| 2-butoxyethanol                           | 89                | Method not given | 20               |
| 2-aminoethanol                            | 50                | Method not given | 20               |
| sodium xylene sulphonate                  | No data available |                  |                  |
| tetrasodium ethylene diamine tetraacetate | 600               | Method not given | 25               |
| alkyl alcohol ethoxylate                  | < 10              | Method not given | 37.8             |

Method / remark

Vapour density: Not determined

Relative density: 1.02 g/cm<sup>3</sup> (20°C)

Solubility in / Miscibility with Water: Fully miscible

Substance data, solubility in water

| Ingredient(s)                             | Value (g/l) | Method           | Temperature (°C) |
|---|-------------|------------------|------------------|
| 2-butoxyethanol                           | Soluble     | Method not given | 20               |
| 2-aminoethanol                            | 1000        | Method not given | 20               |
| sodium xylene sulphonate                  | 664         | Method not given |                  |
| tetrasodium ethylene diamine tetraacetate | 500         | Method not given | 20               |
| alkyl alcohol ethoxylate                  | 100 Soluble | Method not given |                  |

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

Method / remark

Autoignition temperature: Not determined

Decomposition temperature: Not determined

Viscosity: Not determined

Explosive properties: Not explosive.

Oxidising properties: Not oxidising.

## 9.2 Other information

Surface tension (N/m): Not determined

Corrosion to metals

(according to IMDG/ADR regulation): Not determined

Substance data, dissociation constant, if available:

## SECTION 10: Stability and reactivity

## 10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

## 10.2 Chemical stability

Stable under normal storage and use conditions.

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**10.3 Possibility of hazardous reactions**

No hazardous reactions known under normal storage and use conditions.

**10.4 Conditions to avoid**

None known under normal storage and use conditions.

**10.5 Incompatible materials**

Reacts with acids.

**10.6 Hazardous decomposition products**

None known under normal storage and use conditions.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Mixtures**

No test data is available on the mixture

Substance data, where relevant and available, are listed below.

**Acute toxicity**

## Acute oral toxicity

| Ingredient(s)                             | Endpoint         | Value (mg/kg) | Species | Method             | Exposure time (h) |
|---|------------------|---------------|---------|--------------------|-------------------|
| 2-butoxyethanol                           | LD <sub>50</sub> | 200 - 2000    | Rat     | Method not given   |                   |
| 2-aminoethanol                            | LD <sub>50</sub> | 1515          | Rat     | OECD 401 (EU B.1)  |                   |
| sodium xylene sulphonate                  | LD <sub>50</sub> | > 7200        | Rat     | Method not given   |                   |
| tetrasodium ethylene diamine tetraacetate | LD <sub>50</sub> | >= 1780       | Rat     | Non guideline test |                   |
| alkyl alcohol ethoxylate                  | LD <sub>50</sub> | 300 - 2000    |         | Method not given   |                   |

## Acute dermal toxicity

| Ingredient(s)                             | Endpoint         | Value (mg/kg) | Species | Method           | Exposure time (h) |
|---|------------------|---------------|---------|------------------|-------------------|
| 2-butoxyethanol                           | LD <sub>50</sub> | 400 - 2000    | Rat     | Method not given |                   |
| 2-aminoethanol                            | LD <sub>50</sub> | 1025          | Rabbit  | Method not given |                   |
| sodium xylene sulphonate                  | LD <sub>50</sub> | > 2000        | Rabbit  | Method not given |                   |
| tetrasodium ethylene diamine tetraacetate | LD <sub>50</sub> | > 5000        | Rabbit  | Method not given |                   |
| alkyl alcohol ethoxylate                  | LD <sub>50</sub> | 2000 - 5000   | Rat     | Method not given |                   |

## Acute inhalative toxicity

| Ingredient(s)                             | Endpoint         | Value (mg/l)      | Species | Method             | Exposure time (h) |
|---|------------------|-------------------|---------|--------------------|-------------------|
| 2-butoxyethanol                           | LC <sub>50</sub> | > 2 (mist)        | Rat     | Method not given   | 4                 |
| 2-aminoethanol                            | LC <sub>0</sub>  | > 1.3 (vapour)    | Rat     | Non guideline test | 6                 |
| sodium xylene sulphonate                  | LC <sub>0</sub>  | > 6.41 (mist)     | Rat     | Method not given   | 4                 |
| tetrasodium ethylene diamine tetraacetate | LC <sub>50</sub> | >= 1              | Rat     | OECD 403 (EU B.2)  | 6                 |
| alkyl alcohol ethoxylate                  |                  | No data available |         |                    |                   |

**Irritation and corrosivity**

## Skin irritation and corrosivity

| Ingredient(s)                             | Result        | Species | Method             | Exposure time |
|---|---------------|---------|--------------------|---------------|
| 2-butoxyethanol                           | Irritant      | Rabbit  | Method not given   |               |
| 2-aminoethanol                            | Corrosive     | Rabbit  | OECD 404 (EU B.4)  |               |
| sodium xylene sulphonate                  | Mild irritant | Rabbit  | OECD 404 (EU B.4)  |               |
| tetrasodium ethylene diamine tetraacetate | Not irritant  | Rabbit  | Non guideline test |               |
| alkyl alcohol ethoxylate                  | Not irritant  |         | Method not given   |               |

## Eye irritation and corrosivity

| Ingredient(s)                             | Result        | Species | Method            | Exposure time |
|---|---------------|---------|-------------------|---------------|
| 2-butoxyethanol                           | Irritant      | Rabbit  | OECD 405 (EU B.5) |               |
| 2-aminoethanol                            | Severe damage | Rabbit  | OECD 405 (EU B.5) |               |
| sodium xylene sulphonate                  | Irritant      | Rabbit  | OECD 405 (EU B.5) |               |
| tetrasodium ethylene diamine tetraacetate | Severe damage |         | Method not given  |               |
| alkyl alcohol ethoxylate                  | Severe damage | Rabbit  | Method not given  |               |

## Respiratory tract irritation and corrosivity

| Ingredient(s)   | Result            | Species | Method | Exposure time |
|-----------------|-------------------|---------|--------|---------------|
| 2-butoxyethanol | No data available |         |        |               |

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|   |                                 |  |                  |  |
|---|---------------------------------|--|------------------|--|
| 2-aminoethanol                            | Irritating to respiratory tract |  | Method not given |  |
| sodium xylene sulphonate                  | No data available               |  |                  |  |
| tetrasodium ethylene diamine tetraacetate | No data available               |  |                  |  |
| alkyl alcohol ethoxylate                  | No data available               |  |                  |  |

**Sensitisation**

Sensitisation by skin contact

| Ingredient(s)                             | Result          | Species    | Method                   | Exposure time (h) |
|---|-----------------|------------|--------------------------|-------------------|
| 2-butoxyethanol                           | Not sensitising | Guinea pig | OECD 406 (EU B.6) / GPMT |                   |
| 2-aminoethanol                            | Not sensitising | Guinea pig | OECD 406 (EU B.6) / GPMT |                   |
| sodium xylene sulphonate                  | Not sensitising | Guinea pig | OECD 406 (EU B.6) / GPMT |                   |
| tetrasodium ethylene diamine tetraacetate | Not sensitising | Guinea pig | OECD 406 (EU B.6) / GPMT |                   |
| alkyl alcohol ethoxylate                  | Not sensitising | Guinea pig | Method not given         |                   |

Sensitisation by inhalation

| Ingredient(s)                             | Result            | Species | Method | Exposure time |
|---|-------------------|---------|--------|---------------|
| 2-butoxyethanol                           | No data available |         |        |               |
| 2-aminoethanol                            | No data available |         |        |               |
| sodium xylene sulphonate                  | No data available |         |        |               |
| tetrasodium ethylene diamine tetraacetate | No data available |         |        |               |
| alkyl alcohol ethoxylate                  | No data available |         |        |               |

**Repeated dose toxicity**

Sub-acute or sub-chronic oral toxicity

| Ingredient(s)                             | Endpoint | Value (mg/kg bw/d) | Species | Method             | Exposure time (days) | Specific effects and organs affected |
|---|----------|--------------------|---------|--------------------|----------------------|--------------------------------------|
| 2-butoxyethanol                           |          | No data available  |         |                    |                      |                                      |
| 2-aminoethanol                            | NOAEL    | 300                | Rat     |                    | 75                   |                                      |
| sodium xylene sulphonate                  | NOAEL    | 763 - 3534         | Rat     | OECD 408 (EU B.26) | 90                   |                                      |
| tetrasodium ethylene diamine tetraacetate |          | No data available  |         |                    |                      |                                      |
| alkyl alcohol ethoxylate                  | NOAEL    | 80 - 400           |         | Method not given   |                      |                                      |

Sub-chronic dermal toxicity

| Ingredient(s)                             | Endpoint | Value (mg/kg bw/d) | Species | Method             | Exposure time (days) | Specific effects and organs affected |
|---|----------|--------------------|---------|--------------------|----------------------|--------------------------------------|
| 2-butoxyethanol                           |          | No data available  |         |                    |                      |                                      |
| 2-aminoethanol                            |          | No data available  |         |                    |                      |                                      |
| sodium xylene sulphonate                  | NOAEL    | > 440              |         | OECD 411 (EU B.28) | 90                   |                                      |
| tetrasodium ethylene diamine tetraacetate |          | No data available  |         |                    |                      |                                      |
| alkyl alcohol ethoxylate                  | NOAEL    | 80                 |         | OECD 411 (EU B.28) | 90                   |                                      |

Sub-chronic inhalation toxicity

| Ingredient(s)                             | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|---|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| 2-butoxyethanol                           |          | No data available  |         |        |                      |                                      |
| 2-aminoethanol                            |          | No data available  |         |        |                      |                                      |
| sodium xylene sulphonate                  |          | No data available  |         |        |                      |                                      |
| tetrasodium ethylene diamine tetraacetate |          | No data available  |         |        |                      |                                      |
| alkyl alcohol ethoxylate                  |          | No data available  |         |        |                      |                                      |

Chronic toxicity

| Ingredient(s)            | Exposure route | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time | Specific effects and organs affected | Remark |
|--------------------------|----------------|----------|--------------------|---------|--------|---------------|--------------------------------------|--------|
| 2-butoxyethanol          |                |          | No data available  |         |        |               |                                      |        |
| 2-aminoethanol           |                |          | No data available  |         |        |               |                                      |        |
| sodium xylene sulphonate |                |          | No data available  |         |        |               |                                      |        |

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|   |  |  |                   |  |  |  |  |
|---|--|--|-------------------|--|--|--|--|
| tetrasodium ethylene diamine tetraacetate |  |  | No data available |  |  |  |  |
| alkyl alcohol ethoxylate                  |  |  | No data available |  |  |  |  |

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Mixture data:

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

Substance data, where relevant and available:

## Carcinogenicity

| Ingredient(s)                             | Effect   |
|---|--|
| 2-butoxyethanol                           | No evidence for carcinogenicity, negative test results |
| 2-aminoethanol                            | No evidence for carcinogenicity, weight-of-evidence    |
| sodium xylene sulphonate                  | No evidence for carcinogenicity, negative test results |
| tetrasodium ethylene diamine tetraacetate | No evidence for carcinogenicity, weight-of-evidence    |
| alkyl alcohol ethoxylate                  | No evidence for carcinogenicity, negative test results |

## Mutagenicity

| Ingredient(s)                             | Result (in-vitro)                                   | Method (in-vitro)  | Result (in-vivo)                                    | Method (in-vivo)   |
|---|---|--|---|--------------------|
| 2-butoxyethanol                           | No evidence for mutagenicity, negative test results | OECD 471 (EU B.12/13)                                    | No data available                                   |                    |
| 2-aminoethanol                            | No evidence for mutagenicity, negative test results | OECD 471 (EU B.12/13) OECD 473 OECD 476 (Mouse lymphoma) | No evidence for mutagenicity, negative test results | OECD 474 (EU B.12) |
| sodium xylene sulphonate                  | No data available                                   |  | No evidence for mutagenicity, negative test results | OECD 474 (EU B.12) |
| tetrasodium ethylene diamine tetraacetate | No evidence for mutagenicity, negative test results | Method not given   | No evidence of genotoxicity, negative test results  | Method not given   |
| alkyl alcohol ethoxylate                  | No evidence for mutagenicity, negative test results | OECD 473   | No data available                                   |                    |

## Toxicity for reproduction

| Ingredient(s)                             | Endpoint | Specific effect        | Value (mg/kg bw/d) | Species | Method                   | Exposure time | Remarks and other effects reported   |
|---|----------|------------------------|--------------------|---------|--------------------------|---------------|--|
| 2-butoxyethanol                           |          |                        | No data available  |         |                          |               |  |
| 2-aminoethanol                            | NOAEL    | Developmental toxicity | > 75               | Rabbit  | OECD 414 (EU B.31), oral | 6 - 15 day(s) | No evidence for developmental toxicity No evidence for reproductive toxicity |
| sodium xylene sulphonate                  | NOAEL    | Teratogenic effects    | > 936              | Rat     | Non guideline test       |               |  |
| tetrasodium ethylene diamine tetraacetate |          |                        | No data available  |         |                          |               | No evidence for reproductive toxicity  |
| alkyl alcohol ethoxylate                  | NOAEL    |                        | > 250              | Rat     | Not known                |               | No effects on fertility No developmental toxicity                            |

**Potential adverse health effects and symptoms**

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

**SECTION 12: Ecological information****12.1 Toxicity**

Mixtures

No test data is available on the mixture.

Substance data, where relevant and available, are listed below

**Aquatic short-term toxicity**

Aquatic short-term toxicity - fish

| Ingredient(s)                             | Endpoint         | Value (mg/l) | Species             | Method                     | Exposure time (h) |
|---|------------------|--------------|---------------------|----------------------------|-------------------|
| 2-butoxyethanol                           | LC <sub>50</sub> | > 100        | Fish                | Method not given           | 96                |
| 2-aminoethanol                            | LC <sub>50</sub> | 349          | Cyprinus carpio     | (EC) 440/2008, C.1         | 96                |
| sodium xylene sulphonate                  | LC <sub>50</sub> | > 1000       | Fish                | EPA-OPPTS                  | 96                |
| tetrasodium ethylene diamine tetraacetate | LC <sub>50</sub> | > 100        | Lepomis macrochirus | OPP 72-1, static (EPA)     | 96                |
| alkyl alcohol ethoxylate                  | LC <sub>50</sub> | 5 - 7        | Fish                | 92/69/EEC, C1, semi-static | 96                |

Aquatic short-term toxicity - crustacea

| Ingredient(s)   | Endpoint         | Value (mg/l) | Species              | Method           | Exposure time (h) |
|-----------------|------------------|--------------|----------------------|------------------|-------------------|
| 2-butoxyethanol | EC <sub>50</sub> | > 100        | Daphnia magna Straus | Method not given | 24                |



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|   |                  |        |                      |                    |    |
|---|------------------|--------|----------------------|--------------------|----|
| 2-aminoethanol                            | EC <sub>50</sub> | 65     | Daphnia magna Straus | OECD 202, static   | 48 |
| sodium xylene sulphonate                  | EC <sub>50</sub> | > 1000 | Daphnia              | EPA-OPPTS          | 48 |
| tetrasodium ethylene diamine tetraacetate | EC <sub>50</sub> | > 100  | Daphnia magna Straus | DIN 38412, Part 11 | 48 |
| alkyl alcohol ethoxylate                  | EC <sub>50</sub> | 5.3    | Daphnia              | 92/69/EEC          | 48 |

## Aquatic short-term toxicity - algae

| Ingredient(s)                             | Endpoint         | Value (mg/l) | Species                         | Method                     | Exposure time (h) |
|---|------------------|--------------|---------------------------------|----------------------------|-------------------|
| 2-butoxyethanol                           | EC <sub>50</sub> | > 100        | Not specified                   | Method not given           | 168               |
| 2-aminoethanol                            | NOEC             | 1            | Pseudokirchneriella subcapitata | OECD 201                   | 72                |
| sodium xylene sulphonate                  | EC <sub>50</sub> | > 230        | Not specified                   | US-EPA 1994                | 96                |
| tetrasodium ethylene diamine tetraacetate | EC <sub>50</sub> | > 100        | Scenedesmus obliquus            | 88/302/EEC, Part C, static | 72                |
| alkyl alcohol ethoxylate                  | EC <sub>50</sub> | 1.4 - 47     | Not specified                   | 92/69/EEC                  | 72                |

## Aquatic short-term toxicity - marine species

| Ingredient(s)                             | Endpoint | Value (mg/l)      | Species | Method | Exposure time (days) |
|---|----------|-------------------|---------|--------|----------------------|
| 2-butoxyethanol                           |          | No data available |         |        |                      |
| 2-aminoethanol                            |          | No data available |         |        |                      |
| sodium xylene sulphonate                  |          | No data available |         |        |                      |
| tetrasodium ethylene diamine tetraacetate |          | No data available |         |        |                      |
| alkyl alcohol ethoxylate                  |          | No data available |         |        |                      |

## Impact on sewage plants - toxicity to bacteria

| Ingredient(s)                             | Endpoint                       | Value (mg/l) | Inoculum           | Method                              | Exposure time |
|---|--------------------------------|--------------|--------------------|-------------------------------------|---------------|
| 2-butoxyethanol                           | EC <sub>0</sub>                | 700          | Pseudomonas putida | Method not given                    | 16 hour(s)    |
| 2-aminoethanol                            | EC <sub>50</sub>               | > 1000       | Activated sludge   | DIN EN ISO 8192-OECD 209-88/302/EEC | 3 hour(s)     |
| sodium xylene sulphonate                  | E <sub>r</sub> C <sub>50</sub> | > 1000       | Activated sludge   | OECD 209                            | 3 hour(s)     |
| tetrasodium ethylene diamine tetraacetate | EC <sub>20</sub>               | > 500        | Activated sludge   | OECD 209                            | 0.5 hour(s)   |
| alkyl alcohol ethoxylate                  | EC <sub>50</sub>               | > 140        | Bacteria           | Method not given                    | 3 hour(s)     |

## Aquatic long-term toxicity

## Aquatic long-term toxicity - fish

| Ingredient(s)                             | Endpoint         | Value (mg/l)      | Species           | Method           | Exposure time | Effects observed |
|---|------------------|-------------------|-------------------|------------------|---------------|------------------|
| 2-butoxyethanol                           |                  | No data available |                   |                  |               |                  |
| 2-aminoethanol                            | NOEC             | 1.2               | Oryzias latipes   | OECD 210         | 30 day(s)     |                  |
| sodium xylene sulphonate                  |                  | No data available |                   |                  |               |                  |
| tetrasodium ethylene diamine tetraacetate | NOEC             | >= 36.9           | Brachydanio rerio | OECD 210         | 35 day(s)     |                  |
| alkyl alcohol ethoxylate                  | EC <sub>10</sub> | 8.983             | Not specified     | Method not given | 21 day(s)     |                  |

## Aquatic long-term toxicity - crustacea

| Ingredient(s)                             | Endpoint         | Value (mg/l)      | Species       | Method           | Exposure time | Effects observed |
|---|------------------|-------------------|---------------|------------------|---------------|------------------|
| 2-butoxyethanol                           |                  | No data available |               |                  |               |                  |
| 2-aminoethanol                            | NOEC             | 0.85              | Daphnia magna | OECD 211         | 21 day(s)     |                  |
| sodium xylene sulphonate                  |                  | No data available |               |                  |               |                  |
| tetrasodium ethylene diamine tetraacetate | NOEC             | 25                | Daphnia magna | OECD 211         | 21 day(s)     |                  |
| alkyl alcohol ethoxylate                  | EC <sub>10</sub> | 2.579             | Daphnia sp.   | Method not given | 21 day(s)     |                  |

## Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw sediment) | Species | Method | Exposure time (days) | Effects observed |
|---------------|----------|---------------------------|---------|--------|----------------------|------------------|
|---------------|----------|---------------------------|---------|--------|----------------------|------------------|

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|   |  |                   |  |  |  |  |
|---|--|-------------------|--|--|--|--|
| 2-butoxyethanol                           |  | No data available |  |  |  |  |
| 2-aminoethanol                            |  | No data available |  |  |  |  |
| sodium xylene sulphonate                  |  | No data available |  |  |  |  |
| tetrasodium ethylene diamine tetraacetate |  | No data available |  |  |  |  |
| alkyl alcohol ethoxylate                  |  | No data available |  |  |  |  |

**Terrestrial toxicity**

Terrestrial toxicity - soil invertebrates, including earthworms, if available:

| Ingredient(s)                             | Endpoint         | Value (mg/kg dw soil) | Species        | Method   | Exposure time (days) | Effects observed |
|---|------------------|-----------------------|----------------|----------|----------------------|------------------|
| tetrasodium ethylene diamine tetraacetate | LD <sub>50</sub> | 156                   | Eisenia fetida | OECD 207 | 14                   |                  |

Terrestrial toxicity - plants, if available:

| Ingredient(s)                             | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---|----------|-----------------------|---------|--------|----------------------|------------------|
| tetrasodium ethylene diamine tetraacetate | NOEC     | 0.25 - 1.25           |         |        | 21                   |                  |

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

**12.2 Persistence and degradability****Abiotic degradation**

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

**Biodegradation**

Ready biodegradability - aerobic conditions

| Ingredient(s)                             | Inoculum | Analytical method | DT <sub>50</sub>    | Method           | Evaluation            |
|---|----------|-------------------|---------------------|------------------|-----------------------|
| 2-butoxyethanol                           |          |                   | 100 % in 28 day(s)  | Method not given | Readily biodegradable |
| 2-aminoethanol                            |          | DOC reduction     | > 90 % in 21 day(s) | OECD 301A        | Readily biodegradable |
| sodium xylene sulphonate                  |          |                   | 99.8 % in 28 day(s) | OECD 301B        | Readily biodegradable |
| tetrasodium ethylene diamine tetraacetate |          |                   |                     |                  | Readily biodegradable |
| alkyl alcohol ethoxylate                  |          |                   | 60 % in 28 day(s)   | Method not given | Readily biodegradable |

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. 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**Partition coefficient n-octanol/water (log K<sub>ow</sub>)

| Ingredient(s)                             | Value       | Method           | Evaluation                         | Remark |
|---|-------------|------------------|------------------------------------|--------|
| 2-butoxyethanol                           | 0.81        | OECD 107         | No bioaccumulation expected        |        |
| 2-aminoethanol                            | - 1.91      | OECD 107         | No bioaccumulation expected        |        |
| sodium xylene sulphonate                  | -3.12       | Method not given | No bioaccumulation expected        |        |
| tetrasodium ethylene diamine tetraacetate | -13         | Method not given | No bioaccumulation expected        |        |
| alkyl alcohol ethoxylate                  | 3.11 - 4.19 | Method not given | High potential for bioaccumulation |        |

Bioconcentration factor (BCF)

| Ingredient(s)                             | Value             | Species             | Method           | Evaluation                        | Remark |
|---|-------------------|---------------------|------------------|-----------------------------------|--------|
| 2-butoxyethanol                           | No data available |                     |                  |                                   |        |
| 2-aminoethanol                            | No data available |                     |                  |                                   |        |
| sodium xylene sulphonate                  | No data available |                     |                  |                                   |        |
| tetrasodium ethylene diamine tetraacetate | 1.8               | Lepomis macrochirus | Method not given | Low potential for bioaccumulation |        |

## Taski Sprint Spitfire Spray E5c

|                          |       |  |                  |                                    |  |
|--------------------------|-------|--|------------------|------------------------------------|--|
| alkyl alcohol ethoxylate | < 500 |  | Method not given | High potential for bioaccumulation |  |
|--------------------------|-------|--|------------------|------------------------------------|--|

**12.4 Mobility in soil**

Adsorption/Desorption to soil or sediment

| Ingredient(s)                             | Adsorption coefficient<br>Log Koc | Desorption coefficient<br>Log Koc(des) | Method            | Soil/sediment type | Evaluation  |
|---|-----------------------------------|--|-------------------|--------------------|---|
| 2-butoxyethanol                           | No data available                 |  |                   |                    | Potential for mobility in soil, soluble in water  |
| 2-aminoethanol                            | 0.067                             |  | Model calculation |                    | Potential for mobility in soil, soluble in water Adsorption to solid soil phase is not expected |
| sodium xylene sulphonate                  | No data available                 |  |                   |                    |   |
| tetrasodium ethylene diamine tetraacetate | No data available                 |  |                   |                    | Adsorption to solid soil phase is not expected  |
| alkyl alcohol ethoxylate                  | No data available                 |  |                   |                    | Potential for mobility in soil, soluble in water  |

**12.5 Results of PBT and vPvB assessment**

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

**12.6 Other adverse effects**

No other adverse effects known.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Waste from residues / unused products:**

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

**European Waste Catalogue:**

20 01 29\* - detergents containing dangerous substances.

**Empty packaging****Recommendation:**

Dispose of observing national or local regulations.

**Suitable cleaning agents:**

Water, if necessary with cleaning agent.

**SECTION 14: Transport information****ADR, RID, ADN, IMO/IMDG, ICAO/IATA****14.1 UN number:** Non-dangerous goods**14.2 UN proper shipping name:** Non-dangerous goods**14.3 Transport hazard class(es):** Non-dangerous goods

Class: -

**14.4 Packing group:** Non-dangerous goods**14.5 Environmental hazards:** Non-dangerous goods**14.6 Special precautions for user:** Non-dangerous goods**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** The product is not transported in bulk tankers.**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII):** Not applicable.**Ingredients according to EC Detergents Regulation 648/2004**EDTA and salts thereof, non-ionic surfactants  
perfumes, Limonene

&lt; 5%

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out on the mixture

**SECTION 16: Other information**

*The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract*

**MSDS code:** MSDS5248**Version:** 04**Revision:** 2014-02-06**Reason for revision:**

Overall design adjusted in accordance with Regulation (EC) No 1907/2006, Annex II

**Full text of the R, H and EUH phrases mentioned in section 3:**

**Taski Sprint Spitfire Spray E5c**

- R34 - Causes burns.
- R37 - Irritating to respiratory system.
- R41 - Risk of serious damage to eyes.
- R22 - Harmful if swallowed.
- R36 - Irritating to eyes.
- R36/38 - Irritating to eyes and skin.
- R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.
- R36/37/38 - Irritating to eyes, respiratory system and skin.
- R20/22 - Harmful by inhalation and if swallowed.
- H302 - Harmful if swallowed.
- H312 - Harmful in contact with skin.
- H314 - Causes severe skin burns and eye damage.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H332 - Harmful if inhaled.
- H335 - May cause respiratory irritation.
- H412 - Harmful to aquatic life with long lasting effects.

**Abbreviations and acronyms:**

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- DNEL - Derived No Effect Limit
- EUH - CLP Specific hazard statement
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative

**End of Safety Data Sheet**