

# Safety Data Sheet

According to Regulation (EC) No 1907/2006

# **Pledge Furniture Polish**

Revision: 2017-03-20

Version: 05.1

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

### 1.1 Product identifier

Trade name: Pledge Furniture Polish Pledge ® Used under authority from S.C. Johnson & Son Inc., Racine, Wisconsin, U.S.A.

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

Identified uses: For professional use only. AISE-P601 - Furniture care product. Manual process AISE-P602 - Furniture care product. 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

### Contact details

Diversey Ltd Weston Favell Centre, Northampton NN3 8PD, United Kingdom Tel: 01604 405311, Fax: 01604 406809 Regulatory Email: customerservice.uk@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

Aerosol 3 (H229)

# 2.2 Label elements

Hazard statements: H229 - Pressurised container: May burst if heated.

# Precautionary statements:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 - Do not spray on an open flame or other ignition source.

P251 - Do not pierce or burn, even after use.

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

### 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

3.2 Mixtures

| Ingredient(s)                           | EC number | CAS number | REACH number      | Classification   | Notes | Weight<br>percent |
|---|-----------|------------|-------------------|--|-------|-------------------|
| naphtha (petroleum), hydrotreated heavy | 265-150-3 | 64742-48-9 | No data available | Flam. Liq. 3 (H226)<br>Asp. Tox. 1 (H304)<br>STOT SE 3 (H336)<br>EUH066                                      |       | 10-20             |
| methanol                                | 200-659-6 | 67-56-1    | No data available | Flam. Liq. 2 (H225)<br>Acute Tox. 3 (H301)<br>Acute Tox. 3 (H311)<br>Acute Tox. 3 (H331)<br>STOT SE 1 (H370) |       | 0.1-1             |
| bronopol (INN)                          | 200-143-0 | 52-51-7    | No data available | Acute Tox. 4 (H302)<br>Acute Tox. 4 (H312)   |       | 0.01-0.1          |



|  | STOT SE 3 (H335)<br>Skin Irrit. 2 (H315)<br>Eye Dam. 1 (H318)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 2 |  |
|--|--|--|
|  | (H411)   |  |

\* Polymer.

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.

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

| SECTION 4: First aid measures |  |
|-------------------------------|--|

| 4.1 Description of first aid measures |   |
|---------------------------------------|---|
| Inhalation:                           | Get medical attention or advice if you feel unwell.   |
| Skin contact:                         | Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice<br>or attention. |
| Eye contact:                          | Rinse cautiously with water for several minutes. If irritation occurs and persists, get medical attention.              |
| Ingestion:                            | Rinse mouth. Immediately drink 1 glass of water. Get medical attention or advice if you feel unwell.                    |
| Self-protection of first aider:       | Consider personal protective equipment as indicated in subsection 8.2.  |
| 4.2 Most important symptoms and effe  | ects, both acute and delayed  |

| 4.2 most important symptoms and ene | cis, both acute and aciayed                 |
|-------------------------------------|---|
| Inhalation:                         | No known effects or symptoms in normal use. |
| Skin contact:                       | No known effects or symptoms in normal use. |
| Eye contact:                        | No known effects or symptoms in normal use. |
| Ingestion:                          | No known effects or symptoms in normal use. |

### 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

Cool endangered packaging with water spray jet.

### 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

No special environmental precautions required. Dilute with plenty of water.

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

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

### 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

### Measures to prevent fire and explosions:

Keep away from heat. BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50° C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.

### Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

### Advices on general occupational hygiene:

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Handle and open

container with care. Do not mix with other products unless adviced by Sealed Air. Wash hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Use personal protective equipment as required. Use only with adequate ventilation.

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

Store in accordance with local and national regulations. Keep only in original container. Store in a closed container. For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

### 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<br>value(s)       | UK - Short term<br>value(s)      |
|---------------|----------------------------------|----------------------------------|
| methanol      | 200 ppm<br>266 mg/m <sup>3</sup> | 250 ppm<br>333 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) | DNEL ora | l exposure | <ul> <li>Consumer</li> </ul> | (mg/kg bw) |
|--|----------|------------|------------------------------|------------|
|--|----------|------------|------------------------------|------------|

| Ingredient(s)                           | Short term - Local | Short term - Systemic | Long term - Local | Long term - Systemic |
|---|--------------------|-----------------------|-------------------|----------------------|
|   | effects            | effects               | effects           | effects              |
| naphtha (petroleum), hydrotreated heavy | No data available  | No data available     | No data available | No data available    |
| methanol                                | -                  | 8                     | -                 | 8                    |
| bronopol (INN)                          | -                  | -                     | -                 | -                    |

### DNEL dermal exposure - Worker

| Ingredient(s)                           | Short term - Local<br>effects | Short term - Systemic<br>effects (mg/kg bw) | Long term - Local<br>effects | Long term - Systemic<br>effects (mg/kg bw) |
|---|-------------------------------|---|------------------------------|--|
| naphtha (petroleum), hydrotreated heavy | No data available             | No data available                           | No data available            | No data available                          |
| methanol                                | No data available             | 40  | No data available            | 40   |
| bronopol (INN)                          | -                             | -   | -                            | -  |

### DNEL dermal exposure - Consumer

| Ingredient(s)                           | Short term - Local<br>effects | Short term - Systemic<br>effects (mg/kg bw) | Long term - Local<br>effects | Long term - Systemic<br>effects (mg/kg bw) |
|---|-------------------------------|---|------------------------------|--|
| naphtha (petroleum), hydrotreated heavy | No data available             | No data available                           | No data available            | No data available                          |
| methanol                                | No data available             | 8   | No data available            | 8  |
| bronopol (INN)                          | No data available             | -   | No data available            | -  |

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

| Ingredient(s)                           | Short term - Local<br>effects | Short term - Systemic<br>effects | Long term - Local<br>effects | Long term - Systemic<br>effects |
|---|-------------------------------|----------------------------------|------------------------------|---------------------------------|
| naphtha (petroleum), hydrotreated heavy | No data available             | No data available                | No data available            | No data available               |
| methanol                                | 260                           | 260                              | 260                          | 260                             |
| bronopol (INN)                          | -                             | -                                | -                            | -                               |

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

| Ingredient(s)                           | Short term - Local<br>effects | Short term - Systemic<br>effects | Long term - Local<br>effects | Long term - Systemic<br>effects |
|---|-------------------------------|----------------------------------|------------------------------|---------------------------------|
| naphtha (petroleum), hydrotreated heavy | No data available             | No data available                | No data available            | No data available               |
| methanol                                | 50                            | 50                               | 50                           | 50                              |
| bronopol (INN)                          | -                             | -                                | -                            | -                               |

### Environmental exposure

### Environmental exposure - PNEC

| Ingredient(s)                           | Surface water, fresh<br>(mg/l) | Surface water, marine<br>(mg/l) | Intermittent (mg/l) | Sewage treatment<br>plant (mg/l) |
|---|--------------------------------|---------------------------------|---------------------|----------------------------------|
| naphtha (petroleum), hydrotreated heavy | No data available              | No data available               | No data available   | No data available                |
| methanol                                | 154                            | 15.4                            | 1540                | 100                              |
| bronopol (INN)                          | 0.01                           | 0.0008                          | 0.0025              | 0.43                             |

| Ingredient(s) Sediment, freshwater Sediment, | marine Soil (mg/kg) | Air (mg/m <sup>3</sup> ) |
|--|---------------------|--------------------------|

|   | (mg/kg)           | (mg/kg)           |                   |                   |
|---|-------------------|-------------------|-------------------|-------------------|
| naphtha (petroleum), hydrotreated heavy | No data available | No data available | No data available | No data available |
| methanol                                | 570.4             | -                 | 23.5              | -                 |
| bronopol (INN)                          | 0.041             | 0.00328           | 0.5               | -                 |

### 8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. 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:<br>Appropriate organisational controls: | Provide a good standard of general ventilation.<br>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

 Physical State: Liquid Aerosol

 Colour: Milky, White

 Odour: Slightly perfumed

 Odour threshold: Not applicable

 pH:

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

 Not relevant to classification of this product

 Initial boiling point and boiling range (°C): Not applicable as product is an aerosol

Substance data, boiling point

| Ingredient(s)                           | Value<br>(°C)     | Method | Atmospheric pressure<br>(hPa) |
|---|-------------------|--------|-------------------------------|
| naphtha (petroleum), hydrotreated heavy | No data available |        |                               |
| methanol                                | No data available |        |                               |
| bronopol (INN)                          | No data available |        |                               |

Method / remark

Flash point (°C): Not applicable as product is an aerosol Sustained combustion: Not applicable. Evaporation rate: Not determined Flammability (solid, gas): Not flammable Upper/lower flammability limit (%): Not determined

Substance data, flammability or explosive limits, if available:

### Method / remark

Vapour pressure: Not determined

| Substance data, vapour pressure         |                   |                   |                     |
|---|-------------------|-------------------|---------------------|
| Ingredient(s)                           | Value<br>(Pa)     | Method            | Temperature<br>(°C) |
| naphtha (petroleum), hydrotreated heavy | No data available |                   |                     |
| methanol                                | No data available |                   |                     |
| bronopol (INN)                          | 0.0051            | OECD 104 (EU A.4) | 20                  |

Vapour density: Not determined Relative density: Not determined Solubility in / Miscibility with Water: Fully miscible

Substance data, solubility in water

Ingredient(s)

Value Method

Temperature

0.0001

Method / remark

|   | (g/l)             |                  | (°C) |
|---|-------------------|------------------|------|
| naphtha (petroleum), hydrotreated heavy | No data available |                  |      |
| methanol                                | No data available |                  |      |
| bronopol (INN)                          | 280               | Method not given | 23   |

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

Autoignition temperature: Not determined Decomposition temperature: Not applicable. Viscosity: Not determined Explosive properties: Not explosive. Oxidising properties: Not oxidising

#### 9.2 Other information Surface tension (N/m): Not deter

Surface tension (N/m): Not determined Corrosion to metals: Not corrosive

Not relevant to classification of this product

Method / remark

| Substance data, dissociation constant, if available: |            |                  |                     |
|--|------------|------------------|---------------------|
| Ingredient(s)  | Value      | Method           | Temperature<br>(°C) |
| bronopol (INN)                                       | 9.56 (pKa) | Method not given | 21                  |
|  |            |                  |                     |

# 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.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

### 10.4 Conditions to avoid

Protect from sunlight.

### 10.5 Incompatible materials

None known under normal use conditions.

### 10.6 Hazardous decomposition products

None known under normal storage and use conditions.

# **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

Mixture data:.

### Relevant calculated ATE(s):

ATE - Oral (mg/kg): >2000

ATE - Dermal (mg/kg): >2000

ATE - Inhalatory, vapours (mg/l): >20

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

# Acute toxicity

| Ingredient(s)                           | Endpoint | Value<br>(mg/kg)     | Species | Method            | Exposure<br>time (h) |
|---|----------|----------------------|---------|-------------------|----------------------|
| naphtha (petroleum), hydrotreated heavy |          | No data<br>available |         |                   |                      |
| methanol                                |          | No data<br>available |         |                   |                      |
| bronopol (INN)                          | LD 50    | 305                  | Rat     | OECD 401 (EU B.1) |                      |

Acute dermal toxicity

| Ingredient(s)                           | Endpoint | Value<br>(mg/kg)     | Species | Method            | Exposure<br>time (h) |
|---|----------|----------------------|---------|-------------------|----------------------|
| naphtha (petroleum), hydrotreated heavy |          | No data<br>available |         |                   |                      |
| methanol                                |          | No data<br>available |         |                   |                      |
| bronopol (INN)                          | LD 50    | > 2000               | Rat     | OECD 402 (EU B.3) |                      |

### Acute inhalative toxicity

| Ingredient(s)                           | Endpoint | Value<br>(mg/l)      | Species | Method           | Exposure<br>time (h) |
|---|----------|----------------------|---------|------------------|----------------------|
| naphtha (petroleum), hydrotreated heavy |          | No data<br>available |         |                  |                      |
| methanol                                |          | No data<br>available |         |                  |                      |
| bronopol (INN)                          | LC 50    | >= 0.588 (dust)      | Rat     | Method not given | 4                    |

# Irritation and corrosivity

| Ingredient(s)                           | Result            | Species | Method            | Exposure time |
|---|-------------------|---------|-------------------|---------------|
| naphtha (petroleum), hydrotreated heavy | No data available |         |                   |               |
| methanol                                | No data available |         |                   |               |
| bronopol (INN)                          | Irritant          | Rabbit  | OECD 404 (EU B.4) |               |

### Eye irritation and corrosivity

| Ingredient(s)                           | Result            | Species | Method           | Exposure time |
|---|-------------------|---------|------------------|---------------|
| naphtha (petroleum), hydrotreated heavy | No data available |         |                  |               |
| methanol                                | No data available |         |                  |               |
| bronopol (INN)                          | Severe damage     | Rabbit  | Method not given |               |

### Respiratory tract irritation and corrosivity

| Ingredient(s)                           | Result            | Species | Method | Exposure time |
|---|-------------------|---------|--------|---------------|
| naphtha (petroleum), hydrotreated heavy | No data available |         |        |               |
| methanol                                | No data available |         |        |               |
| bronopol (INN)                          | No data available |         |        |               |

### Sensitisation Sensitisation by skin contact

| Ingredient(s)                           | Result            | Species | Method | Exposure time (h) |
|---|-------------------|---------|--------|-------------------|
| naphtha (petroleum), hydrotreated heavy | No data available |         |        |                   |
| methanol                                | No data available |         |        |                   |
| bronopol (INN)                          | No data available |         |        |                   |

Sensitisation by inhalation

| Ingredient(s)                           | Result            | Species | Method | Exposure time |
|---|-------------------|---------|--------|---------------|
| naphtha (petroleum), hydrotreated heavy | No data available |         |        |               |
| methanol                                | No data available |         |        |               |
| bronopol (INN)                          | No data available |         |        |               |

# CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) Mutagenicity

| Ingredient(s)                           | Result (in-vitro)                                   | Method<br>(in-vitro) | Result (in-vivo)  | Method<br>(in-vivo) |
|---|---|----------------------|-------------------|---------------------|
| naphtha (petroleum), hydrotreated heavy | No data available                                   |                      | No data available |                     |
| methanol                                | No data available                                   |                      | No data available |                     |
|   | No evidence for mutagenicity, negative test results | Method not<br>given  | No data available |                     |

### Carcinogenicity

| Ingredient(s)                           | Effect            |
|---|-------------------|
| naphtha (petroleum), hydrotreated heavy | No data available |
| methanol                                | No data available |
| bronopol (INN)                          | No data available |

### Toxicity for reproduction

| Ingredient(s)        | Endpoint | Specific effect | Value<br>(mg/kg bw/d) | Species | Method | Exposure<br>time | Remarks and other effects<br>reported |
|----------------------|----------|-----------------|-----------------------|---------|--------|------------------|---------------------------------------|
|                      |          |                 |                       |         |        | ume              | reported                              |
| naphtha (petroleum), |          |                 | No data               |         |        |                  |                                       |
| hydrotreated heavy   |          |                 | available             |         |        |                  |                                       |
| methanol             |          |                 | No data               |         |        |                  |                                       |
|                      |          |                 | available             |         |        |                  |                                       |
| bronopol (INN)       |          |                 | No data               |         |        |                  |                                       |
|                      |          |                 | available             |         |        |                  |                                       |

# Repeated dose toxicity

| Sub-acute of sub-chronic oral toxicity  |          |              |         |        |             |                             |
|---|----------|--------------|---------|--------|-------------|-----------------------------|
| Ingredient(s)                           | Endpoint | Value        | Species | Method | Exposure    | Specific effects and organs |
|   |          | (mg/kg bw/d) |         |        | time (days) | affected                    |
| naphtha (petroleum), hydrotreated heavy |          | No data      |         |        |             |                             |
|   |          | available    | 1       |        |             |                             |

| methanol       | No data<br>available |  |  |
|----------------|----------------------|--|--|
| bronopol (INN) | No data              |  |  |
|                | available            |  |  |

### Sub-chronic dermal toxicity

| Ingredient(s)                           | Endpoint | Value        | Species | Method |             | Specific effects and organs |
|---|----------|--------------|---------|--------|-------------|-----------------------------|
|   |          | (mg/kg bw/d) |         |        | time (days) | affected                    |
| naphtha (petroleum), hydrotreated heavy |          | No data      |         |        |             |                             |
|   |          | available    |         |        |             |                             |
| methanol                                |          | No data      |         |        |             |                             |
|   |          | available    |         |        |             |                             |
| bronopol (INN)                          |          | No data      |         |        |             |                             |
|   |          | available    |         |        |             |                             |

### Sub-chronic inhalation toxicity

| Ingredient(s)                           | Endpoint | Value        | Species | Method | Exposure    | Specific effects and organs |
|---|----------|--------------|---------|--------|-------------|-----------------------------|
|   |          | (mg/kg bw/d) |         |        | time (days) | affected                    |
| naphtha (petroleum), hydrotreated heavy |          | No data      |         |        |             |                             |
|   |          | available    |         |        |             |                             |
| methanol                                |          | No data      |         |        |             |                             |
|   |          | available    |         |        |             |                             |
| bronopol (INN)                          |          | No data      |         |        |             |                             |
|   |          | available    |         |        |             |                             |

### Chronic toxicity

| Ingredient(s)        | Exposure | Endpoint | Value        | Species | Method | Exposure | Specific effects and | Remark |
|----------------------|----------|----------|--------------|---------|--------|----------|----------------------|--------|
|                      | route    |          | (mg/kg bw/d) |         |        | time     | organs affected      |        |
| naphtha (petroleum), |          |          | No data      |         |        |          |                      |        |
| hydrotreated heavy   |          |          | available    |         |        |          |                      |        |
| methanol             |          |          | No data      |         |        |          |                      |        |
|                      |          |          | available    |         |        |          |                      |        |
| bronopol (INN)       |          |          | No data      |         |        |          |                      |        |
| /                    |          |          | available    |         |        |          |                      |        |

### STOT-single exposure

| Ingredient(s)                           | Affected organ(s) |
|---|-------------------|
| naphtha (petroleum), hydrotreated heavy | No data available |
| methanol                                | No data available |
| bronopol (INN)                          | No data available |

### STOT-repeated exposure

| Ingredient(s)                           | Affected organ(s) |
|---|-------------------|
| naphtha (petroleum), hydrotreated heavy | No data available |
| methanol                                | No data available |
| bronopol (INN)                          | No data available |

# Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3. If relevant, see section 9 for dynamic viscosity and relative density of the product.

### 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

No 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<br>(mg/l)      | Species                | Method           | Exposure<br>time (h) |
|---|----------|----------------------|------------------------|------------------|----------------------|
| naphtha (petroleum), hydrotreated heavy |          | No data<br>available |                        |                  |                      |
| methanol                                |          | No data<br>available |                        |                  |                      |
| bronopol (INN)                          | LC 50    | 41.2                 | Oncorhynchus<br>mykiss | Method not given | 96                   |

| A | quatic short-term toxicity - crustacea  |          |                 |         |        |                      |
|---|---|----------|-----------------|---------|--------|----------------------|
|   | Ingredient(s)                           | Endpoint | Value<br>(mg/l) | Species | Method | Exposure<br>time (h) |
|   | naphtha (petroleum), hydrotreated heavy |          | No data         |         |        |                      |

|                |       | available            |               |                  |    |
|----------------|-------|----------------------|---------------|------------------|----|
| methanol       |       | No data<br>available |               |                  |    |
| bronopol (INN) | EC 50 | 1.4                  | Not specified | Method not given | 48 |

| Aquatic short-term toxicity - algae     |          |                      |               |                  |                      |
|---|----------|----------------------|---------------|------------------|----------------------|
| Ingredient(s)                           | Endpoint | Value<br>(mg/l)      | Species       | Method           | Exposure<br>time (h) |
| naphtha (petroleum), hydrotreated heavy |          | No data<br>available |               |                  |                      |
| methanol                                |          | No data<br>available |               |                  |                      |
| bronopol (INN)                          | EC 50    | 0.4 - 2.8            | Not specified | Method not given | 72                   |

Aquatic short-term toxicity - marine species Exposure time (days) Ingredient(s) Endpoint Value Species Method (mg/l) naphtha (petroleum), hydrotreated heavy No data available methanol No data available bronopol (INN) No data available

### Impact on sewage plants - toxicity to bacteria

| Ingredient(s)                           | Endpoint | Value<br>(mg/l)      | Inoculum         | Method   | Exposure<br>time |
|---|----------|----------------------|------------------|----------|------------------|
| naphtha (petroleum), hydrotreated heavy |          | No data<br>available |                  |          |                  |
| methanol                                |          | No data<br>available |                  |          |                  |
| bronopol (INN)                          | EC 20    | 2                    | Activated sludge | OECD 209 | 150<br>minute(s) |

# Aquatic long-term toxicity Aquatic long-term toxicity - fish

| Ingredient(s)                           | Endpoint | Value<br>(mg/l)      | Species                | Method   | Exposure<br>time | Effects observed |
|---|----------|----------------------|------------------------|----------|------------------|------------------|
| naphtha (petroleum), hydrotreated heavy |          | No data<br>available |                        |          |                  |                  |
| methanol                                |          | No data<br>available |                        |          |                  |                  |
| bronopol (INN)                          | EC 50    | 39.1                 | Oncorhynchus<br>mykiss | OECD 210 | 49 hour(s)       |                  |

### Aquatic long-term toxicity - crustacea

| Ingredient(s)                           | Endpoint | Value<br>(mg/l) | Species | Method       | Exposure<br>time | Effects observed |
|---|----------|-----------------|---------|--------------|------------------|------------------|
| naphtha (petroleum), hydrotreated heavy |          | No data         |         |              |                  |                  |
|   |          | available       |         |              |                  |                  |
| methanol                                |          | No data         |         |              |                  |                  |
|   |          | available       |         |              |                  |                  |
| bronopol (INN)                          | NOEC     | 0.27            | Daphnia | OECD 211,    | 21 day(s)        |                  |
|   |          |                 | magna   | flow-through |                  |                  |

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

| Ingredient(s)                           | Endpoint | Value<br>(mg/kg dw<br>sediment) | Species | Method | Exposure<br>time (days) | Effects observed |
|---|----------|---------------------------------|---------|--------|-------------------------|------------------|
| naphtha (petroleum), hydrotreated heavy |          | No data<br>available            |         |        |                         |                  |
| methanol                                |          | No data<br>available            |         |        |                         |                  |
| bronopol (INN)                          |          | No data<br>available            |         |        | -                       |                  |

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

| Ingredient(s)  | Endpoint | Value<br>(mg/kg dw<br>soil) | Species        | Method   | Exposure<br>time (days) | Effects observed |
|----------------|----------|-----------------------------|----------------|----------|-------------------------|------------------|
| bronopol (INN) | LD 50    | > 500                       | Eisenia fetida | OECD 207 | 14                      |                  |

Terrestrial toxicity - plants, if available:

| Ingredient(s)  | Endpoint | Value<br>(mg/kg dw<br>soil) | Species | Method | Exposure<br>time (days) | Effects observed |
|----------------|----------|-----------------------------|---------|--------|-------------------------|------------------|
| bronopol (INN) |          | No data<br>available        |         |        | -                       |                  |

### Terrestrial toxicity - birds, if available:

| Ingredient(s)  | Endpoint | Value                | Species | Method | Exposure<br>time (days) | Effects observed |
|----------------|----------|----------------------|---------|--------|-------------------------|------------------|
| bronopol (INN) |          | No data<br>available |         |        | -                       |                  |

Terrestrial toxicity - beneficial insects, if available:

| Ingredient(s)  | Endpoint | Value<br>(mg/kg dw<br>soil) | Species | Method | Exposure<br>time (days) | Effects observed |
|----------------|----------|-----------------------------|---------|--------|-------------------------|------------------|
| bronopol (INN) |          | No data<br>available        |         |        | -                       |                  |

Terrestrial toxicity - soil bacteria, if available:

| Ingredient(s)  | Endpoint | Value<br>(mg/kg dw<br>soil) | Species | Method | Exposure<br>time (days) | Effects observed |
|----------------|----------|-----------------------------|---------|--------|-------------------------|------------------|
| bronopol (INN) |          | No data<br>available        |         |        | -                       |                  |

### 12.2 Persistence and degradability

### Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

| Ingredient(s)  | Half-life time in fresh<br>water | Method   | Evaluation           | Remark |
|----------------|----------------------------------|----------|----------------------|--------|
| bronopol (INN) | No data available                | OECD 111 | Rapidly hydrolysible |        |

Abiotic degradation - other processes, if available:

# Biodegradation

| Ingredient(s)                           | Inoculum | Analytical<br>method | DT 50 | Method | Evaluation        |
|---|----------|----------------------|-------|--------|-------------------|
| naphtha (petroleum), hydrotreated heavy |          |                      |       |        | No data available |
| methanol                                |          |                      |       |        | No data available |
| bronopol (INN)                          |          |                      |       |        | No data available |

Ready biodegradability - anaerobic and marine conditions, if available:

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Degradation in relevant environmental compartments, if available:

### 12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

| Ingredient(s)                     | Value             | Method           | Evaluation                  | Remark |
|-----------------------------------|-------------------|------------------|-----------------------------|--------|
| naphtha (petroleum), hydrotreated | No data available |                  |                             |        |
| heavy                             |                   |                  |                             |        |
| methanol                          | No data available |                  |                             |        |
| bronopol (INN)                    | 0.18              | Method not given | No bioaccumulation expected |        |

### Bioconcentration factor (BCF)

| Ingredient(s)        | Value             | Species | Method | Evaluation | Remark |
|----------------------|-------------------|---------|--------|------------|--------|
| naphtha (petroleum), | No data available |         |        |            |        |
| hydrotreated heavy   |                   |         |        |            |        |
| methanol             | No data available |         |        |            |        |
| bronopol (INN)       | No data available |         |        |            |        |

# 12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

| Ingredient(s)                           | Adsorption<br>coefficient<br>Log Koc | Desorption<br>coefficient<br>Log Koc(des) | Method | Soil/sediment<br>type | Evaluation |
|---|--------------------------------------|---|--------|-----------------------|------------|
| naphtha (petroleum), hydrotreated heavy | No data available                    |   |        |                       |            |
| methanol                                | No data available                    |   |        |                       |            |
| bronopol (INN)                          | No data available                    |   |        |                       |            |

### 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:

**European Waste Catalogue:** 

### Empty packaging Recommendation: Suitable cleaning agents:

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. 16 05 05 - gases in pressure containers other than those mentioned in 16 05 04.

Dispose of observing national or local regulations. Water, if necessary with cleaning agent.

# SECTION 14: Transport information

Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR) 14.1 UN number: 1950 14.2 UN proper shipping name: Aerosols 14.3 Transport hazard class(es): Class: 2 Label(s): 2.2 14.4 Packing group: -14.5 Environmental hazards:

- Environmentally hazardous: No Marine pollutant: No
- 14.6 Special precautions for user: None known.
- 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.

Other relevant information: ADR Classification code: 5A Tunnel restriction code: E Hazard identification number: -IMO/IMDG

EmS: F-D, S-U

The product has been classified, labelled and packaged in accordance with the requirements of ADR and the provisions of the IMDG Code Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities

# **SECTION 15: Regulatory information**

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

### EU regulations:

- Directive 75/324/EEC on aerosol dispensers
- Regulation (EC) No 1272/2008 CLP
- Regulation (EC) No. 1907/2006 REACH

Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII): Not applicable.

### 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

### SDS code: MSDS4681

Version: 05.1

Revision: 2017-03-20

### Reason for revision:

Overall design adjusted in accordance with Amendment 453/2010, Annex II of Regulation (EC) No 1907/2006, This data sheet contains changes from the previous version in section(s):, 2, 3, 16

### Classification procedure

The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

### Full text of the H and EUH phrases mentioned in section 3:

- H225 Highly flammable liquid and vapour.
  H226 Flammable liquid and vapour.

- H301 Toxic if swallowed.
  H302 Harmful if swallowed.
  H304 May be fatal if swallowed and enters airways.
  H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- · H315 Causes skin irritation.
- H318 Causes serious eye damage.

- H31 Causes serious eye carriage.
  H331 Toxic if inhaled.
  H335 May cause respiratory irritation.
  H336 May cause drowsiness or dizziness.
  H370 Causes damage to organs.

- H400 Very toxic to aquatic life.
  H411 Toxic to aquatic life with long lasting effects.
- · EUH066 Repeated exposure may cause skin dryness or cracking.

### 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
  ATE Acute Toxicity Estimate

### End of Safety Data Sheet