

# Flash Professional Antibacterial Multisurface Cleaner Spray

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 26/02/2015

Revision date:

Version: 1.0

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Flash Professional Antibacterial Multisurface Cleaner Spray  
Product code : PA00186919  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Function or use category : Washing and cleaning products (including solvent based products), Biocidal products (e.g. Disinfectants, pest control)

##### 1.2.2. Uses advised against

No additional information available

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

Procter & Gamble UK Brooklands, Weybridge, Surrey, KT13 0XP, UK

Tel: 01932 896000 Fax: 01932 896200

Professional: customerservice@pgprof.com

#### 1.4. Emergency telephone number

Emergency number : (UK) Emergency Tel: 0800 328 8304(IREL) Emergency Tel: 1800 509 497

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP) : None  
Hazard statements (CLP) : None  
Precautionary statements (CLP) : P260 - Do not breathe spray  
P501 - Dispose of contents/container to an appropriate local waste system  
EUH phrases : EUH210 - Safety data sheet available on request

#### 2.3. Other hazards

Other hazards not contributing to the classification : No presence of PBT and vPvB ingredients.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

| Name                         | Product identifier                      | %     | Classification according to Directive 67/548/EEC | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|------------------------------|-----------------------------------------|-------|--------------------------------------------------|-----------------------------------------------------------------|
| Propylene Glycol Butyl Ether | (CAS No) 5131-66-8<br>(EC no) 225-878-4 | 1 - 5 | Xi; R36/38                                       | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319                       |

Full text of R- and H-phrases: see section 16

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |                                                                                                                                                                                          |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures after inhalation   | : IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.                          |
| First-aid measures after skin contact | : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get immediate medical advice/attention.               |
| First-aid measures after eye contact  | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. |
| First-aid measures after ingestion    | : IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.                                                                        |

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

|                                      |                                                                                                   |
|--------------------------------------|---------------------------------------------------------------------------------------------------|
| Symptoms/injuries after inhalation   | : Coughing. sneezing.                                                                             |
| Symptoms/injuries after skin contact | : Redness. Swelling. dryness. Itching.                                                            |
| Symptoms/injuries after eye contact  | : Severe pain. Redness. Swelling. Blurred vision.                                                 |
| Symptoms/injuries after ingestion    | : Oral mucosal or gastro-intestinal irritation. Nausea. Vomiting. Excessive secretion. Diarrhoea. |

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

Refer to section 4.1.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                              |                                                                                   |
|------------------------------|-----------------------------------------------------------------------------------|
| Suitable extinguishing media | : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ). |
|------------------------------|-----------------------------------------------------------------------------------|

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

|                  |                                    |
|------------------|------------------------------------|
| Fire hazard      | : No fire hazard. Non combustible. |
| Explosion hazard | : Product is not explosive.        |
| Reactivity       | : No dangerous reactions known.    |

#### 5.3. Advice for firefighters

|                                |                                                                  |
|--------------------------------|------------------------------------------------------------------|
| Firefighting instructions      | : No specific firefighting instructions required.                |
| Protection during firefighting | : In case of inadequate ventilation wear respiratory protection. |

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Protective equipment | : Wear suitable gloves and eye/face protection. |
|----------------------|-------------------------------------------------|

##### 6.1.2. For emergency responders

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Protective equipment | : Wear suitable gloves and eye/face protection. |
|----------------------|-------------------------------------------------|

#### 6.2. Environmental precautions

Consumer products ending up down the drain after use. Prevent soil and water pollution. Prevent spreading in sewers.

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

|                         |                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment         | : Scoop absorbed substance into closing containers.                                                                                                                                                                                                                                                 |
| Methods for cleaning up | : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Large spills: contain released substance, pump into suitable containers. This material and its container must be disposed of in a safe way, and as per local legislation. |

#### 6.4. Reference to other sections

Refer to Sections 8 and 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

|                               |                                                                                                                                 |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | : Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood. |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------|

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

|                               |                                                     |
|-------------------------------|-----------------------------------------------------|
| Storage conditions            | : Store in original container. Refer to section 10. |
| Incompatible products         | : Refer to section 10.                              |
| Incompatible materials        | : Not applicable.                                   |
| Prohibitions on mixed storage | : Not applicable.                                   |
| Storage area                  | : Store in a cool area. Store in a dry area.        |

#### 7.3. Specific end use(s)

Cleaning/washing agents and additives.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1. National limit values

No additional information available

##### 8.1.2. Monitoring procedures: DNELS, PNECS, OEL

| Propylene Glycol Butyl Ether (5131-66-8) |                           |
|------------------------------------------|---------------------------|
| DNEL/DMEL (Workers)                      |                           |
| Long-term - systemic effects, dermal     | 44 mg/kg bodyweight/day   |
| Long-term - systemic effects, inhalation | 270.5 mg/m <sup>3</sup>   |
| DNEL/DMEL (General population)           |                           |
| Acute - local effects, dermal            | 50 % in mixture           |
| Long-term - systemic effects, oral       | 8.75 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 33.8 mg/m <sup>3</sup>    |
| Long-term - systemic effects, dermal     | 16 mg/kg bodyweight/day   |
| PNEC (Water)                             |                           |
| PNEC aqua (freshwater)                   | 0.525 mg/l                |
| PNEC aqua (marine water)                 | 0.0525 mg/l               |
| PNEC aqua (intermittent, freshwater)     | 5.25 mg/l                 |
| PNEC (Sediment)                          |                           |
| PNEC sediment (freshwater)               | 2.36 mg/kg dwt            |
| PNEC sediment (marine water)             | 0.236 mg/kg dwt           |
| PNEC (Soil)                              |                           |
| PNEC soil                                | 0.16 mg/kg dwt            |
| PNEC (STP)                               |                           |
| PNEC sewage treatment plant              | 10 mg/l                   |

#### 8.2. Exposure controls

8.2.1. Appropriate engineering controls : No additional information available

8.2.2. Personal protective equipment  
Not required for normal conditions of use.

Hand protection : Not applicable.

Eye protection : Not applicable.

Skin and body protection : Not applicable.

Respiratory protection : Not applicable.

8.2.3. Environmental exposure controls

Not available

### SECTION 9: Physical and chemical properties

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

| Property                                   | Value               | Unit | Test method/Notes |
|--------------------------------------------|---------------------|------|-------------------|
| Appearance                                 | Liquid.             |      |                   |
| Physical state                             | Liquid              |      |                   |
| Colour                                     | Clear.              |      |                   |
| Odour                                      | pleasant (perfume). |      |                   |
| Odour threshold                            | No data available   |      |                   |
| pH                                         | 10.75               |      |                   |
| Melting point                              | No data available   |      |                   |
| Freezing point                             | No data available   |      |                   |
| Boiling point                              | No data available   |      |                   |
| Flash point                                | 62                  | °C   |                   |
| Relative evaporation rate (butylacetate=1) | No data available   |      |                   |

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| Property                  | Value                               | Unit | Test method/Notes |
|---------------------------|-------------------------------------|------|-------------------|
| Flammability (solid, gas) | No data available                   |      |                   |
| Explosive limits          | No data available                   |      |                   |
| Vapour pressure           | No data available                   |      |                   |
| Relative density          | No data available                   |      |                   |
| Solubility                | Soluble in water.                   |      |                   |
| Log Pow                   | No data available                   |      |                   |
| Auto-ignition temperature | No data available                   |      |                   |
| Decomposition temperature | No data available                   |      |                   |
| Viscosity                 | 1                                   | cP   |                   |
| Explosive properties      | No additional information available |      |                   |
| Oxidising properties      | No additional information available |      |                   |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

### 10.4. Conditions to avoid

Not required for normal conditions of use.

### 10.5. Incompatible materials

Not applicable.

### 10.6. Hazardous decomposition products

None under normal use.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| Flash Professional Antibacterial Multisurface Cleaner Spray |              |
|-------------------------------------------------------------|--------------|
| LD50 oral calculated                                        | > 2000 mg/kg |

| Propylene Glycol Butyl Ether (5131-66-8) |                       |
|------------------------------------------|-----------------------|
| LD50 oral rat                            | 3300 mg/kg OECD 401   |
| LD50 dermal rat                          | 2001 mg/kg            |
| LC50 inhalation rat (mg/l)               | 3.79 mg/l/4h          |
| ATE CLP (oral)                           | 3300 mg/kg bodyweight |
| ATE CLP (dermal)                         | 2001 mg/kg bodyweight |
| ATE CLP (vapours)                        | 20.100 mg/l/4h        |
| ATE CLP (dust,mist)                      | 20.100 mg/l/4h        |

Skin corrosion/irritation : Not classified  
pH: 10.75

Serious eye damage/irritation : Not classified  
pH: 10.75

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

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|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aspiration hazard                                   | : Not classified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Potential Adverse human health effects and symptoms | : Acute Toxicity: based upon available data of the substances, classification criteria are not met.<br>Carcinogenicity: based upon available data of the substances, classification criteria are not met.<br>Corrosivity: based upon available data of the substances, classification criteria are not met.<br>Toxicity for Reproduction: based upon available data of the substances, classification criteria are not met.<br>Sensitization: based upon available data of the substances, classification criteria are not met.<br>Repeated Dose Toxicity: based upon available data of the substances, classification criteria are not met.<br>Mutagenicity: based upon available data of the substances, classification criteria are not met.<br>Irritation: based upon available preparation data and bridging principles, classification criteria are not met. |
| Other information                                   | : Likely routes of exposure: skin and eye. Information on Effects: refer to section 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## SECTION 12: Ecological information

### 12.1. Toxicity

|                   |                                                                                                                                                                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ecology - general | : No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended. The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Propylene Glycol Butyl Ether (5131-66-8) |                                                       |
|------------------------------------------|-------------------------------------------------------|
| LC50 fishes 1                            | > 560 mg/l OECD 203; Poecilia reticulata              |
| LC50 other aquatic organisms 1           | > 1000 mg/l OECD 209                                  |
| EC50 Daphnia 1                           | > 1000 mg/l OECD 202; Daphnia magna                   |
| ErC50 (algae)                            | > 1000 mg/l OECD 201; Pseudokirchneriella subcapitata |
| NOEC chronic algae                       | 560 mg/l OECD 201; Pseudokirchneriella subcapitata    |

### 12.2. Persistence and degradability

| Propylene Glycol Butyl Ether (5131-66-8) |                 |
|------------------------------------------|-----------------|
| Persistence and degradability            | Biodegradable.  |
| Biodegradation                           | 90 % OECD 301 E |

### 12.3. Bioaccumulative potential

| Propylene Glycol Butyl Ether (5131-66-8) |                                                                     |
|------------------------------------------|---------------------------------------------------------------------|
| Log Pow                                  | 1.2 OECD 117; 20 °C                                                 |
| Bioaccumulative potential                | Not expected to bioaccumulate due to the low log Kow (log Kow < 4). |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

| Flash Professional Antibacterial Multisurface Cleaner Spray |                                                                                                                                                                                 |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Results of PBT assessment                                   | No presence of PBT and vPvB ingredients                                                                                                                                         |
| Component                                                   |                                                                                                                                                                                 |
| Alcohol (64-17-5)                                           | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| Aminomethyl Propanol (124-68-5)                             | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| Propylene Glycol Butyl Ether (5131-66-8)                    | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

### 12.6. Other adverse effects

|                   |                           |
|-------------------|---------------------------|
| Other information | : No other effects known. |
|-------------------|---------------------------|

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 13.1.1. | Regional legislation (waste) | : Disposal must be done according to official regulations.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 13.1.2  | Disposal recommendations     | : The waste codes/waste designations below are in accordance with EWC. Waste must be delivered to an approved waste disposal company. The waste is to be kept separate from other types of waste until its disposal. Do not throw waste product into the sewer. Where possible recycling is preferred to disposal or incineration.<br>. For handling waste, see measures described in section 7. Empty, uncleaned packaging need the same disposal considerations as filled packaging. |
| 13.1.3  | EURAL Waste code product     | : 20 01 29* - detergents containing dangerous substances<br>15 01 10* - packaging containing residues of or contaminated by dangerous substances                                                                                                                                                                                                                                                                                                                                       |

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### SECTION 14: Transport information

#### 14.1. UN number

Not applicable

#### 14.2. UN proper shipping name

Not applicable

#### 14.3. Transport hazard class(es)

Not applicable

#### 14.4. Packing group

Not applicable

#### 14.5. Environmental hazards

Not applicable

#### 14.6. Special precautions for user

Not applicable

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### SECTION 15: Regulatory information

Ingredient label : Perfumes, Disinfectants.

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

##### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

CESIO recommendations : 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.

Other information, restriction and prohibition regulations : Classification according to Regulation (EC) No. 1272/2008 [CLP]. Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. Regulation (EC) No. 648/2004 of 31 March 2004 on detergents.

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

#### 16.1. Indication of changes

Indication of changes : Not applicable

#### 16.2. Abbreviations and acronyms

No additional information available

#### 16.3. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

No additional information available

#### 16.4. Relevant R-phrases and/or H-statements (number and full text) for mixture and substances

|               |                                               |
|---------------|-----------------------------------------------|
| Eye Irrit. 2  | Serious eye damage/eye irritation, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2         |
| H315          | Causes skin irritation                        |
| H319          | Causes serious eye irritation                 |
| R36/38        | Irritating to eyes and skin                   |
| Xi            | Irritant                                      |

#### 16.5. Training advice

Normal use of this product shall imply use in accordance with the instructions on the packaging.

#### 16.6. Further information

Salts listed in Section 3 without a REACH Registration number are exempt, based on Annex V

SDS P&G CLP

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*