P&G Professional Disinfecting Multi-Surface Cleaner

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 11/06/2014 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	:	P&G Professional Disinfecting Multi-Surface Cleaner
Product code	:	PA00181995
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

Retail : sds.im@pg.com
Professional : info.uk@pg.com

1.4. Emergency telephone number

Emergency number	:	(UK) Emergency Tel: 0800 328 8304 (IRL) 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 or 1999/45/EC

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)	:	P102 - Keep out of reach of children P314 - Get medical advice/attention if you feel unwell 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 (EC no) 225-878-4	1 - 5	Xi; R36/38	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Alcohol	(CAS No) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5 (REACH-no) 01-2119457610-43	1 - 5	F; R11	Flam. Liq. 2, H225
Benzalkonium Chloride	(CAS No) 68391-01-5 (EC no) 269-919-4	< 1	Xn; R22 C; R34 N; R50	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=10)

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

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/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 : sneezing. Coughing.

Symptoms/injuries after skin contact : Redness. Swelling. dryness. Itching.

Symptoms/injuries after eye contact : Pain. Redness. Swelling. Blurred vision.

Symptoms/injuries after ingestion : Nausea. Vomiting. Diarrhoea. Oral mucosal or gastro-intestinal irritation. Excessive secretion.

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 (CO2).

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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Alcohol (64-17-5)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	1900 mg/m³
Long-term - systemic effects, dermal	343 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	950 mg/m³
DNEL/DMEL (General population)	
Acute - local effects, inhalation	950 mg/m³
Long-term - systemic effects,oral	87 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	114 mg/m³
Long-term - systemic effects, dermal	206 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.96 mg/l
PNEC aqua (marine water)	0.79 mg/l
PNEC aqua (intermittent, freshwater)	580 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	3.6 mg/kg dwt
PNEC sediment (marine water)	2.9 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.63 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	580 mg/l

Propylene Glycol Butyl Ether (5131-66-8)	
DNEL/DMEL (Workers)	
Acute - local effects, dermal	50 % in mixture
Long-term - systemic effects, dermal	44 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	270.5 mg/m³
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/m³
Long-term - systemic effects, dermal	16 mg/kg bodyweight/day
Long-term - local effects, dermal	50 % in mixture
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)	

Propylene Glycol Butyl Ether (5131-66-8)	
PNEC sewage treatment plant	10 mg/l

8.2. Exposure controls

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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Liquid.
Colour : Clear.
Odour : pleasant (perfume).
Odour threshold : No data available
pH : 10.75
pH solution : 10 %
Relative evaporation rate (butylacetate=1) : Not measured.
Melting point : Not measured.
Freezing point : No data available
Boiling point : Not measured.
Flash point : 62 °C
Auto-ignition temperature : Not measured.
Decomposition temperature : Not measured.
Flammability (solid, gas) : Not flammable
Vapour pressure : Not measured.
Relative vapour density at 20 °C : Not measured.
Relative density : No data available
Density : 995 g/l
Solubility : Soluble in water.
Log Pow : No data available
Log Kow : No data available
Viscosity : 1 cP
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : Product is not explosive

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

Mr. Proper P&G Professional - Multi-surfaces Antibacteria	
LD50 oral calculated	> 2000 mg/kg

Alcohol (64-17-5)	
LD50 oral calculated	10470 mg/kg OECD 301 B
LD50 dermal rat	15800 mg/kg
LC50 inhalation rat (mg/l)	117 mg/l/4h OECD 403
ATE CLP (oral)	10470 mg/kg bodyweight
ATE CLP (dermal)	15800 mg/kg bodyweight
ATE CLP (vapours)	117.000 mg/l/4h
ATE CLP (dust,mist)	117.000 mg/l/4h

Benzalkonium Chloride (68391-01-5)	
ATE CLP (oral)	500.00000 mg/kg

Propylene Glycol Butyl Ether (5131-66-8)	
LD50 oral calculated	3300 mg/kg
LD50 dermal rat	2001 mg/kg
LC50 inhalation rat (mg/l)	20.1 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

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. Carcinogenicity: based upon available data of the substances, classification criteria are not met. Corrosivity: based upon available data of the substances, classification criteria are not met. Toxicity for Reproduction: based upon available data of the substances, classification criteria are not met. Sensitization: based upon available data of the substances, classification criteria are not met. Repeated Dose Toxicity: based upon available data of the substances, classification criteria are not met. Mutagenicity: based upon available data of the substances, classification criteria are not met. 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.

Alcohol (64-17-5)	
LC50 fishes 1	15300 mg/l Pimephales promelas
LC50 other aquatic organisms 1	590 mg/l Spirostomum ambiguum
EC50 Daphnia 1	5012 mg/l Ceriodaphnia dubia
LC50 other aquatic organisms 2	4432 mg/l
ErC50 (algae)	275 mg/l OECD 201, Chlorella vulgaris
NOEC chronic fish	245 mg/l

Alcohol (64-17-5)	
NOEC chronic crustacea	9.6 mg/l Daphnia magna

Benzalkonium Chloride (68391-01-5)	
EC50 Daphnia 1	= 0.016 mg/l

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 fish	560 mg/l
NOEC chronic algae	560 mg/l OECD 201; Pseudokirchneriella subcapitata

12.2. Persistence and degradability

Alcohol (64-17-5)	
Persistence and degradability	The substance is biodegradable. Unlikely to persist.
BOD (% of ThOD)	74 % ThOD

Propylene Glycol Butyl Ether (5131-66-8)	
Biodegradation	82 %

12.3. Bioaccumulative potential

Alcohol (64-17-5)	
Bioconcentration factor (BCF REACH)	1
Log Pow	-0.35 24 C, pH 7
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4).

Propylene Glycol Butyl Ether (5131-66-8)	
Log Pow	1.2

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Mr. Proper P&G Professional - Multi-surfaces Antibacteria	
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 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 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

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste 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.
. Empty, uncleaned packaging need the same disposal considerations as filled packaging.

EURAL code : 20 01 29* - detergents containing dangerous substances
15 01 10* - packaging containing residues of or contaminated by dangerous substances

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 REACH candidate substance

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.

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

Data sources : Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]. Calculation method.

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

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

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
R11	Highly flammable
R22	Harmful if swallowed
R34	Causes burns
R36/38	Irritating to eyes and skin
R50	Very toxic to aquatic organisms
C	Corrosive
F	Highly flammable
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

SDS P&G CLP

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