

Issuing Date: 30-Sep-2021

Revision date 30-Sep-2021

Revision Number 1

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Form	Mixture
Product Name	P&G Professional Disinfecting Toilet Bowl Cleaner
Product Identifier	C-91889642-001_O_PGP_CLP_EUR
Product group	Trade Product

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

Recommended Use	Restricted to professional users
Main user category	SU 22 - Professional uses
Use category	PC35 - Washing and cleaning products (including solvent based products) PC8 - Biocidal Products (e.g. disinfectants, pest control)
Uses advised against	No information available Biocide toilet cleaner
Product category	

1.3. Details of the supplier of the safety data sheet

Details of the supplier of the safety sheet Procter & Gamble UK Brooklands PGP, Weybridge, Surrey, KT13 0XP, UK Tel: 01932 896000 Fax: 01932 896200 **data**
E-mail Address customerservice@pgprof.com

1.4. Emergency telephone number

Emergency Telephone (UK) Emergency Tel: 0800 328 8304

(IRL) **Poisons information: for information or to report a poisoning incident contact The National Poisons Information Centre 01 8092166 (8.00 a.m. to 10.00 p.m. 7 days a week)**

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation Category 2 - (H315)
Serious eye damage/eye irritation Category 1 - (H318)
Corrosive to metals Category 1 - (H290)

For the full text of the H-Statements mentioned in this Section, see Section 16.

Adverse human health effects and symptoms No information available

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2.2. Label elements

Label according to Regulation (EC) No. 1272/2008



Signal word

Danger

Hazard statements

H315 - Causes skin irritation
 H318 - Causes serious eye damage

H290 - May be corrosive to metals

Precautionary statements

P501 - Dispose of contents/container according to local regulations.
 P102 - Keep out of reach of children
 P101 - If medical advice is needed, have product container or label at hand
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing P310 -
 Immediately call a POISON CENTER or doctor/physician
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

2.3. Other hazards

Other hazards which do not result in classification

No presence of PBT and vPvB ingredients.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

Not applicable.

3.2 Mixtures

Chemical Name	CAS No	EC No	REACH registration number	weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	M-Factor (longterm)	M-Factor
Formic Acid	64-18-6	200-579-1	01-2119491174-37	1 - 5	Flam. Liq. 3(H226) Acute Tox. 4 (Oral)(H302) Acute Tox. 3 (Inhalation)(H331) Skin Corr. 1A(H314) Eye Dam. 1(H318)		
Deceth-n	26183-52-8	Polyme		1 - 5	Acute Tox. 4 (Oral)(H302) Eye Dam. 1(H318)		

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4: FIRST AID MEASURES**4.1. Description of first aid measures**

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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 exposed or you feel unwell.
Skin contact	IF ON SKIN: Wash with plenty of water and soap. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention. Discontinue use of product.
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.
Ingestion	IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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. **contact**

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. Diarrhea.

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

Refer to section 4.1.

Section 5: FIRE FIGHTING MEASURES**5.1. Extinguishing media**

Suitable extinguishing media Dry chemical powder. Alcohol resistant foam. Carbon dioxide (CO₂).

Extinguishing Media Which Must Not Be Used For Safety Reasons Not relevant.

5.2. Special hazards arising from the substance or mixture

Explosion hazard Product is not explosive.

Reactivity No dangerous reaction known under conditions of normal use

5.3. Advice for firefighters

Special protective equipment for fire-fighters No specific firefighting instructions required. **fire-fighters**

Protective equipment and precautions for firefighters In case of inadequate ventilation wear respiratory protection. **precautions for firefighters**

Section 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel Wear suitable gloves and eye/face protection. **Advice for emergency responders** Wear suitable gloves and eye/face protection.

6.2. Environmental precautions

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

Methods 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.

Other information Not relevant.

6.4. Reference to other sections

Other information Refer to Sections 8 and 13.

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Section 7: HANDLING AND STORAGE**7.1. Precautions for safe handling**

Advice on 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

Technical measures/Storage Store in original container. Refer to section 10. **conditions**

Incompatible products Refer to section 10. **Incompatible Materials** Refer to section 10 **Prohibitions on mixed storage** Not relevant.

Requirements for storage rooms and containers Store in a cool area. Store in a dry area. Store in a cool, well ventilated area.

7.3. Specific end use(s)

Cleaning/washing agents and additives.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters****National Occupational Exposure****Limits**

Chemical Name	CAS No	Norway	Ireland	United Kingdom	European Union
Formic Acid	64-18-6	TWA: 5 ppm TWA: 9 mg/m ³ STEL: 10 ppm STEL: 18 mg/m ³	TWA: 5 ppm TWA: 9 mg/m ³ STEL: 15 ppm STEL: 27 mg/m ³	TWA: 5 ppm TWA: 9.6 mg/m ³ STEL: 15 ppm STEL: 28.8 mg/m ³	TWA: 5 ppm TWA: 9 mg/m ³

Derived No Effect Level (DNEL)**Workers**

Chemical Name	CAS No	Worker - inhalative, short-term - local	Worker - dermal, longterm - systemic	Worker - inhalative, longterm - systemic
Formic Acid	64-18-6			9.5 mg/m ³

Chemical Name	CAS No	Worker - dermal, long-term - local	Worker - inhalative, long-term local
Formic Acid	64-18-6		9.5 mg/m ³

Consumers

Chemical Name	CAS No	Consumer - oral, long-term - systemic	Consumer - inhalative, long-term - local	Consumer - dermal, long-term - local
Formic Acid	64-18-6		3 mg/m ³	

Chemical Name	CAS No	Consumer - inhalative, longterm - systemic	Consumer - dermal, long-term systemic
Formic Acid	64-18-6	3 mg/m ³	

Predicted No Effect Concentration (PNEC)

Chemical Name	CAS No	Fresh Water	Marine water	Intermittent release
Formic Acid	64-18-6	2 mg/L	0.2 mg/L	1 mg/L

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Chemical Name	CAS No	Freshwater sediment	Marine sediment	Sewage treatment plant
Formic Acid	64-18-6	13.4 mg/kg sediment dw	1.34 mg/kg sediment dw	7.2 mg/L

Chemical Name	CAS No	Soil	Air	Oral
Formic Acid	64-18-6	1.5 mg/kg soil dw		

8.2. Exposure controls

Appropriate engineering controls No information available

Personal Protective Equipment

Protective personal equipment only required in case of professional use or for large packs (not for household packs). For consumer use please follow recommendation as indicated on the label of the product.

Hand Protection

Wear suitable gloves.

Eye Protection

Wear eye/face protection.

Skin and Body Protection

Not relevant.

Respiratory Protection

Not relevant.

Thermal hazards

Not relevant.

Environmental exposure controls

Prevent that the undiluted product reaches surface waters.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Property	Value / Units	Test Method / Notes
Appearance	Liquid	
Physical state	Liquid	
Color	colored	
Odor	pleasant (perfume)	
Odor threshold	No Data Available	Perceived odor at typical use conditions
pH	2.1 - 2.5	
Melting Point / Freezing Point	No Data Available	Not available. This property is not relevant for the safety and classification of this product
Initial boiling point and boiling range	> 90 °C	
flash point	No Flash to Boiling (NFTB)	
Relative Evaporation Rate (butylacetate=1)	No Data Available	Not available. This property is not relevant for the safety and classification of this product
Flammability	Not relevant	Not applicable. This property is not relevant for liquid product forms
Upper/lower flammability or explosive limits	No Data Available	Not available. This property is not relevant for the safety and classification of this product
Vapor pressure	No Data Available	Not available. This property is not relevant for the safety and classification of this product

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Relative density	1-1.2	
Solubility	Soluble in water	
Partition coefficient	Not available	
Autoignition temperature	No Data Available	Not available. This property is not relevant for the safety and classification of this product
Decomposition temperature	No Data Available	Not available. This property is not relevant for the safety and classification of this product
Viscosity	No Data Available	
Explosive properties	No Data Available	Not applicable. This product is not classified as explosive as it does not contain any substances which possesses explosive properties CLP (Art 14 (2)).
Oxidizing properties	No Data Available	Not applicable. This product is not classified as oxidizing as it does not contain any substances which possesses oxidizing properties CLP (Art 14 (2))

9.2. Other information

Other information No 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

See section 10.1 on reactivity for more information.

10.4. Conditions to avoid

None under normal use conditions.

10.5. Incompatible materials

Not relevant.

10.6. Hazardous decomposition products

None under normal use conditions.

Section 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

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Mixture

Acute toxicity Not Classified. Based on the available data, the classification criteria are not met.

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye damage.

Skin sensitization Not Classified. Based on the available data, the classification criteria are not met. **Respiratory**

sensitization Not Classified. Based on the available data, the classification criteria are not met. **Germ cell mutagenicity** Not Classified. Based on the available data, the classification criteria are not met. **Carcinogenicity** Not Classified.

Based on the available data, the classification criteria are not met. **Reproductive toxicity** Not Classified. Based on the available data, the classification criteria are not met. **STOT - single exposure** Not Classified. Based on the available data, the classification criteria are not met. **STOT - repeated exposure** Not Classified. Based on the available data, the classification criteria are not met. **Aspiration hazard** Not Classified. Based on the available data, the classification criteria are not met.

Substances in the mixture

Chemical Name	CAS No	Oral LD50	Dermal LD50	Inhalation LC50
Formic Acid	64-18-6	730 mg/kg bw (OECD 401)	-	7.85 mg/L air (OECD 403)
Deceth-n	26183-52-8	300 mg/kg	>2000 mg/kg	-

Section 12: ECOLOGICAL INFORMATION**12.1. Toxicity**

Ecotoxicity effects 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.

Acute toxicity

Chemical Name	CAS No	Fish	Algae/aquatic plants	Crustacea	Toxicity to microorganisms
Formic Acid	64-18-6	130 mg/L (OECD 203; Danio rerio; 96 h)	1240 mg/L (OECD 201; Pseudokirchneriella subcapitata; 72 h)	365 mg/L (OECD 202; Daphnia magna; 48 h)	-
Deceth-n	26183-52-8	10 - 100 mg/L (OECD 203; Cyprinus carpio; 96 h)	10 - 100 mg/L (OECD 201; Desmodesmus subspicatus; 72 h)	10 - 100 mg/L (OECD 202; Daphnia magna; 48 h)	140 mg/L (activated sludge)

Chronic Toxicity

Chemical Name	CAS No	Toxicity to fish (NOEC or ECx)*	Toxicity to algae (NOEC or ECx)*	Toxicity to daphnia and other aquatic invertebrates (NOEC or ECx)*	Toxicity to Microorganisms (NOEC or ECx)*
Formic Acid	64-18-6	90 mg/L (OECD 203; Danio rerio; 4 d)	<76.8 mg/L (OECD 201; Pseudokirchneriella subcapitata; 3 d)	>100 mg/L (OECD 211; Daphnia magna; 21 d)	72 mg/L (activated sludge; 13d)

12.2. Persistence and degradability**Persistence and degradability**

Chemical Name	CAS No	Persistence and degradability	Ready Biodegradation Test (OECD 301)	Biodegradation Other Tests
Formic Acid	64-18-6		92% O ₂ (OECD 301D; 28 d)	95 % (O ₂ consumption; 20 d; wastewater, seed bacteria, and growth factors; aerobic)
Deceth-n	26183-52-8		>60 %; OECD 301B; 28 d	

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12.3. Bioaccumulative potential

Bioaccumulative potential No information available.

Chemical Name	CAS No	Bioaccumulative potential	Octanol/water partition coefficient
Formic Acid	64-18-6	Not expected to bioaccumulate due to the low log Kow (log Kow < 4)	-2.1

12.4. Mobility in soil

Mobility No information available.

Chemical Name	CAS No	log Koc
Formic Acid	64-18-6	<17.8 (OECD 121)
Deceth-n	26183-52-8	2000 - 5000

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects

Other adverse effects No information available.

Section 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Waste from Residues/Unused Products Dispose of in accordance with local regulations.

Disposal Recommendations The waste codes/waste designations below are in accordance with EWC. Waste must be delivered to an approved waste disposal company. 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. For handling waste, see measures described in section 7.

Waste codes / waste designations according to EWC / AVV 20 01 29* - detergents containing dangerous substances
15 01 10* - packaging containing residues of or contaminated by dangerous substances

13.2 Additional information**Section 14: TRANSPORT INFORMATION**

Note: The shipper is responsible for identifying any exemptions, including Limited Quantity, that may apply based on package size **IMDG**

14.1 UN number or ID number UN1903 **14.2 UN proper shipping name** DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
Description UN1903, DISINFECTANT, LIQUID, CORROSIVE, N.O.S.(formic acid), 8, III

14.3 Transport hazard class(es) 8

14.4 Packing Group III

14.5 Marine pollutant Not regulated

EmS-No F-A, S-B

14.7 Transport in bulk according to Annex II of MARPOL and the IBC No information available

Code

IMDG Comment The shipper is responsible for identifying any exemptions, including Limited Quantity, that

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may apply based on package size

IATA 14.1 UN number or ID number UN1903 14.2 UN proper shipping name DISINFECTANT, LIQUID, CORROSIVE, N.O.S.

Description UN1903, DISINFECTANT, LIQUID, CORROSIVE, N.O.S.(formic acid), 8, III

14.3 Transport hazard class(es) 8

14.4 Packing group III

14.5 Marine pollutant Not regulated

Comments

ADR 14.1 UN number or ID number UN1903 14.2 UN proper shipping name DISINFECTANT, LIQUID, CORROSIVE, N.O.S.

Description UN1903, DISINFECTANT, LIQUID, CORROSIVE, N.O.S.(formic acid), 8, III

14.3 Transport hazard class(es) 8

14.4 Packing Group III

14.5 Marine pollutant Not regulated

Classification code C9

Labels 8

RID 14.1 UN number or ID number UN1903 14.2 UN proper shipping name DISINFECTANT, LIQUID, CORROSIVE, N.O.S.

Description UN1903, DISINFECTANT, LIQUID, CORROSIVE, N.O.S.(formic acid), 8, III

14.3 Transport hazard class(es) 8

14.4 Packing Group III

14.5 Marine pollutant Not regulated

Classification code C9

Labels 8

ADN

14.1 UN number UN1903

14.2 UN proper shipping name DISINFECTANT, LIQUID, CORROSIVE, N.O.S.

Description UN1903, DISINFECTANT, LIQUID, CORROSIVE, N.O.S.(formic acid), 8, III

14.3 Transport hazard class(es) 8

14.4 Packing Group III

14.5 Marine pollutant Not regulated

Classification code C9

Hazard label(s) 8

Limited Quantity (LQ) 5 L

Equipment Requirements PP, EP

Section 15: REGULATORY INFORMATION

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

EU Regulations

Regulation (EC) No. 1907/2006, Contains no REACH substances with Annex XVII restrictions. **REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Regulation (EC) No. 1907/2006, Contains no substance on the REACH candidate list.
REACH Annex XVII Substances subject to restriction on marketing and use as amended

Regulation (EC) No. 143/2011 Annex Contains no REACH Annex XIV substances. **XIV Substances Subject to Authorisation**

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 regulations, restrictions and prohibition regulations to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP].
Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006). Biocidal Products Regulation (EU) No 528/2012 (BPR). **National**

regulatory information No information available

15.2. Chemical safety assessment

Chemical Safety Assessment No chemical safety assessment has been carried out for this mixture per REACH regulation.

Section 16: OTHER INFORMATION

16.1 Indication of changes

Issuing Date:	30-Sep-2021
Revision date	30-Sep-2021
Revision Note	Not relevant

16.2 Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ATE: Acute Toxicity Estimate
DNEL: Derived No Effect Level
EC50: Calculated concentration causing a 50% reduction in cellular reproduction
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods Code
LC50: Lethal Concentration to 50% of a test population
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose)
OECD - Organization for Economic Cooperation and Development
OEL: Occupational Exposure Limit
PBT: Persistent, Bioaccumulative and Toxic substance
PNEC(s): Predicted No Effect Concentration(s)
REACH- Registration, Evaluation and Authorization of Chemicals vPvB: Very Persistent and Very Bioaccumulative

16.3 Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008

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[CLP]**Skin corrosion/irritation**

Category 2

Serious eye damage/eye irritation

Category 1 - Calculation method

Physical Hazards**Corrosive to metals Category 1****16.4 Full text of H-Statements referred to under sections 2 and 3**

H226 - Flammable liquid and vapor

H302 - Harmful if swallowed

H314 - Causes severe skin burns and eye damage

H318 - Causes serious eye damage

H331 - Toxic if inhaled

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 and its amendment

Regulation (EU) 2015/830

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.

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.

End of Safety Data Sheet