

Cleaning Solution for PerfectClean

1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

Product identifier	Cleaning Solution Refill
Use of the mixture	Cleaning Solution Refill for PerfectClean: cleaning, drying and disinfecting electronic device for hearing aids. Facilitates the cleaning of hearing aids and earmolds.
Identification of the company	MG DEVELOPPEMENT ZA de l'Aéroport 34470 PEROLS, France Tel : 00 33 4 67 42 95 24 Fax : 00 33 4 67 42 88 23 E-mail : contact@mg-dev.fr
Emergency telephone number	ORFILA : 00 33 1 45 42 59 59 (24h / 24h and 7 days / 7 days) MG Développement : 00 33 4 67 42 95 24 (8h30 -18h)

2. HAZARDS IDENTIFICATION

Classification CLP of the mixture	EUH 208 EUH 210
Additional Information about classification	The product is not classified.
DSD/DPD Labelling, Comments	None
Label elements	Didecyldimethylammonium chloride : 24g/kg
Hazard statements	EUH 208 - Contains Methylisothiazolinone. May produce an allergic reaction. EUH 210 - Safety data sheet available on request. P101 – If medical advice is needed, have product container or label at hand. P102 – Keep out of reach of children. P103 – Read label before use.
Precautionary statement	
Other hazards	
Health impact	The product contains a sensitizing substance which may provoke an allergic response with predisposed people.
Environmental impact	The component in this formulation do not meet the criteria for classification as PBT or vPvB.

3. COMPOSITION / INFORMATIONS ON COMPONENTS

Mixture

Component name	Identification	Classification	Concentration
Chloride didecyldimethylammonium	N° CAS: 7173-51-5 N° CE: 230-525-2 N° index: 612-131-00-6	Acute tox. 4; H302 Skin Corr 1B; H314	< 1 %
Ammonium compounds Quaternary alkyl C 12 -C 14 (ethylphenyl methyl) dimethyl, chlorides	N° CAS: 85409-23-0 N° CE: 287-090-7	C,N; R22,R34,R50 Acute tox. 4;H302; Skin Corr 1B;H314; Aquatic Acute 1;H400;	< 1 %
Ammonium compounds quaternary, benzyl-C12-16 dimethyl, chlorides	N° CAS: 68424-85-1 N° CE: 270-325-2	C; R34 Xn; R22 N; R50 Acute tox. 4;H302; Skin Corr 1B;H314; Aquatic Acute 1;H400; M-factor:10	< 1 %

Comment about components <1% preservative: 2-Methyl-4-isothiazolin-3-one, 3-Iodo-2-propynyl butylcarbamate

Cleaning Solution for PerfectClean

4. FIRST AID MEASURES

General information	Remove the victim from the source of contamination.
In case of inhalation	Provide fresh air. Consult a doctor if symptoms persist.
In case of skin contact	Rinse with water. Consult a doctor if symptoms persist.
In case of eye contact	Rinse with water. Consult a doctor if symptoms persist.
In case of ingestion	Rinse the mouth with water. Consult a doctor if symptoms persist.
Most important symptoms and effects, both acute and delayed	Not known long-term effects.
Indication of any immediate medical attention and special treatment needed	In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

5. FIREFIGHTING MEASURES

Suitable extinguishing material	Extinguishing powder. Pulverized water, CO2, foam.
Risk of fire and explosion	Respect the general rules of fire protection company.
Personal protective equipment.	See section 8

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid prolonged or repeated contact with skin or eyes.
Environmental precautions	Do not empty into drains or the aquatic environment.
Methods and material for containment and cleanup methods	Pick up the product and place into a suitable container for reuse. After removal, clean contaminated area with water in abundance.

7. HANDLING AND STORAGE

Advice on safe handling	No special precautionary measures are necessary.
Advice on protection against fire and explosion	Store in the original sealed container in a dry place. Protect against: heat. UV-radiation/sunlight.
Storage temperature	0-35°C
Preservation	24 months
Specific end use(s)	Section 1.2

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit values	Identification	Value	Year
Ammonium compounds quaternary, benzyl-C12-16 dimethyl, chlorides	N° CAS: 68424-85-1 N° CE: 270-325-2		

Further information about thresholds values DNEL / PNEC Contains no ingredients with occupational exposure limits.

Professional control exposure No special precautionary measures are necessary.

Protective and hygiene measures Respiratory protection is not required.

Cleaning Solution for PerfectClean

Hands protection and time

It is recommended to wear gloves in case of prolonged use. Use protective gloves made of: Butyl rubber. Nitrile. Neoprene. (EN 374).

The breakthrough time for nitrile rubber, neoprene and rubber butyl is about 3 hours. This recommendation is based on the component knowledge. The elastic gloves stretch during use, the thickness of the gloves and therefore their resistance to drilling is reduced. In use, their internal temperature is about 35 ° C, but the standard tests EN 374-3 are carried out at 23 ° C. The delay of opening of gloves shown in the guide are therefore reduced with a factor 3.

Eyes protection

In normal use, eye protection is not required.

Skin protection


No recommendation

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Colorless liquid.
Colour	Colorless
Odor	Odourless
pH- value (at 20 °C)	~ 7,0
Comments, pH	Not pertinent
Melting point	Not pertinent
Boiling point	Not pertinent
Flash point	> 65 °C
Evaporation rate	Not pertinent
Explosive limit	Not pertinent
Vapor pressure	Not pertinent
Vapor pressure	Not pertinent
Density	Not pertinent
Volume density	Not pertinent
Water solubility	Easily soluble
Coefficient: n-octanol / water	Not pertinent
Spontaneous combustion	Not pertinent
Decomposition temperature	Not pertinent
Viscosity	Not pertinent
Explosive properties	The product is not explosive
Oxidant properties	Does not meet the criteria for oxidizing
Other data	None

10. STABILITY AND REACTIVITY

Stability	Stable under normal temperature conditions and recommended use. See section 10.1.
Reactivity	No known risk of reactivity is associated with this product.
Possibility of hazardous reactions	No information
Conditions to avoid	No recommendation
Materials to avoid	No recommendation
Hazardous decomposition products	Toxic gases in case of fire (CO, CO ₂ , NO _x).

 mg Développement Audition	SAFETY DATA SHEET According to directive (EC) REACH n°1907/2006	Page 4/ 6
		Version n° 1
		09/2016
Cleaning Solution for PerfectClean		

11. TOXICOLOGICAL INFORMATION

Toxicological information	The product was not submitted to toxicological tests.
Components toxicological information	
Component	
DL50 oral	No data available for components Species of laboratory animals:- Duration : - Comments :-
Component	Quaternary ammonium compounds, benzyl C12-16 alkyldimethyl, the chlorides
DL50 skin	Value : ~ 3340 mg/kg Species of laboratory animals:Rabbit
Respiratory or cutaneous sensitization	Control method – OECD 406 Result : Non sensitizing Species : Human test subject
Other information regarding health risks	No information about adverse effects due to exposure.
Potential acute effects	
Inhalation	No specific warnings for health.
Eye contact	Prolonged contact may cause redness and / or make their eyes water.
Skin contact	May cause allergic skin reaction.
Ingestion	Unlikely due to product packaging.
Overexposure symptoms	No specific symptoms noted.

12. ECOLOGICAL INFORMATION

Toxicity	
Aquatic, comments	No data available
Components toxicologic data	
Components	No data available
Aquatic, comments	No data available
Components	Quaternary ammonium compounds, benzyl C12-16 alkyldimethyl, the chlorides
Acute aquatic toxicity, fish	Value : 0,28 mg/l Control method : LC50 Species of laboratory animals: Pimephales promelas Duration : 96H Test reference : MSDS supplier
Acute aquatic toxicity, algae	Value : 0,049 mg/l Control method: ErC50, OECD TG 201 Species of laboratory animals: Selenastrum capricornutum Duration : 72H Test reference : MSDS supplier

Cleaning Solution for PerfectClean


Acute aquatic toxicity, daphnia	Value : 0,016 mg/l Control method : OECD TG 202 Species of laboratory animals: Daphnia magna Duration : 48H Test reference : MSDS supplier
Ecotoxicity, other effects	Very toxic to aquatic organisms.
Mobility, descriptions	The product is water soluble and may spread in water systems.
Persistence and degradability	The product is easily biodegradable.
Biodegradability	Value: 95,5% Duration test: 28d Control method: OECD 301 B
Bioaccumulation	Is not expected to be bioaccumulable.
Bioconcentration factor	Value : 79 Control method : Lepomis macrochirus, 35 d
Results of the PBT and vPvB assessment	This substance does not meet the criteria for classification as PBT or vPvB
Persistence and degradability	Product is easily biodegradable
Bioaccumulative potential	This product does not contain any substances expected bioaccumulation effect.
Mobility	The product is water soluble and may spread in water systems.
PBT analysis results (Persistent, bioaccumulative and toxic)	This substance does not meet the criteria for classification as PBT or vPvB

13. DISPOSAL CONSIDERATIONS

Specify disposal methods appropriate	Do not empty into drains, dispose of this material and its container in a collection center for hazardous or special waste. Eliminate waste and residues in accordance with local regulations.
Contaminated packaging	No
EWC Waste code	0706 wastes from the MFSU of fats, soaps, detergents, disinfectants and cosmetics. The EWC code is valid for the rest of the product in its pure form.
Other information	During handling of wastes, precautionary measures must be applied.

14. TRANSPORT INFORMATION

UN number	The product is not regulated by the international rules for transport of dangerous goods (IMDG, IATA, ADR / RID).
UN shipping name	Not pertinent
Hazard class for transport	Not pertinent
Packing group	Not pertinent
Environmental hazards	Not pertinent
Special precautions for user	No data available
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No data available

 Développement Audition	SAFETY DATA SHEET According to directive (EC) REACH n°1907/2006	Page 6/ 6
		Version n° 1
		09/2016
Cleaning Solution for PerfectClean		

15. REGULATORY INFORMATION

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

EEC Directive

Regulation (IT) N 648/2004 of the European Parliament and the Council of March 31st, 2004 concerning cleaners.

Directive about dangerous preparations 1999/45/CE.

Directive about dangerous substances 67/548/EEC.

Ordinance No. 2001-174 of 22 February 2001 on implementation of the Directive 94/33 / EC of 22 June 1994 on the protection of young people at work.

d□exposition professional limits to chemical agents in France

ED 984, 2007, with modifications.

Decree No. 2002-540 of 18 April 2002 on the classification of waste.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the registration, evaluation and authorization of chemicals, and Restriction of Chemicals

Legislation and regulation

(REACH), establishing a European Chemicals Agency, amending Directive 1999/45 / EC and repealing Regulation (EEC) No 793/93

and Council Regulation (EC) No 1488/94 and the

Directive 76/769 / EEC and 91 / directives 155 / EEC, 93/67 / EEC

93/105 / EC and 2000/21 / EC, as amended.

DIRECTIVE 2013/10 / EU OF THE COMMISSION of 19 March 2013 amending

Directive 75/324 / EEC on the approximation of laws Member States relating to aerosol dispensers to adapt labeling provisions in Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labeling and packaging of substances and mixtures. Regulation (EC) No 648/2004 of the European

Parliament and of the Council of 31 March 2004 on detergents. REGULATION (EU) No 528/2012 OF THE EUROPEAN PARLIAMENT AND OF COUNCIL of 22 May

2012 concerning the making available on the market and use of biocidal products.

Evaluation of chemical safety

No data available

16. OTHER INFORMATION

Classification CLP

EUH 208

EUH 210

List of relevant R-phrases (Referred to in Sections 2 and 3)

R34-Causes burns

R50-Very toxic to aquatic organisms

R22-Harmful if swallowed

List of relevant H-phrases (Referred to in Sections 2 and 3)

H302-Harmful if swallowed.

H314-Causes severe skin burns and eye damage.

H400-Very toxic to aquatic life.

Advises for training

No special training required, but the user must have read and understood this safety data sheet.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

RESPONSABILITY DISCHARGE

This material safety data sheet completes the user notice but does not replaces it. These data are given here per our current knowledge and experience about the concerned product. These data are given in good faith.

Furthermore, we ask the attention of the users on the possible risks if the product is not used as intended. This sheet does not signify any warranty about the product's properties.

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