According to Regulation (EC) No 1907/2006

Medipal Detergent

Version number: 5
Issued: 2023-05-30
Replaces SDS: 2019-07-27

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

1.1. Product identifier

Trade name

QMP0066 W530110MP W532110MP W535110MP

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

Relevant identified uses

Wipes for cleaning surfaces.
For professional users only.

1.3. Details of the supplier of the safety data sheet

Supplier

Pal Internationl Ltd.

Street address
Bilton Way, Lutterworth
LE17 4JA Leicestershire
United Kingdom

Telephone
+44(0)1455 555 700

Email
info@palinternational.com

1.4. Emergency telephone number

NHS 111

Available outside office hours

Yes

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous according to Regulation (EC) No 1272/2008.

2.2. Label elements

The product does not require labelling in accordance with CLP Regulation (EC) No 1272/2008.

2.3. Other hazards

This product does not contain any PBT or vPvB substances. Endocrine disrupting properties: No

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
Glycerol	56-81-5 200-289-5 - -	1%	-	- - -	-
N,N-dimethyldecylamine N-oxide	2605-79-0 220-020-5 - -	0.18 - <0.23%	Acute Tox. 4 - oral, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 2	H302, H318, H400, H411 - -	-
Bronopol (INN)	52-51-7 200-143-0 01-2119980938-15 603-085-00-8	≤0.1%	Acute Tox. 4 - oral, Acute Tox. 4 - dermal, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 2, STOT SE 3	H302, H312, H315, H318, H335, H400, H411 M-acut=10 -	-

Substance additional information
Bronopol (INN)ATE oral = 193 mg/kg

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Skin contact
Wash skin thoroughly with soap and water. Call a physician if symptoms occur.

Eye contact
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion
Rinse mouth with water. Get medical attention if symptoms occur.

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

See section 11 for more detailed information on health effects and symptoms.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media

high volume water jet

5.2. Special hazards arising from the substance or mixture

Keep away from heat and sources of ignition.
In case of fire hazardous decomposition products may be produced such as:
carbon oxides
nitrogen oxides (NOx)
sulphur oxides
oxides of phosphorus

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use personal protective equipment as required.

Other

Measures in case of fire

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. If risk of water pollution occurs, notify appropriate authorities.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Stop leak if safe to do so. Ensure cleanup is conducted by trained personnel. Ensure adequate ventilation. Avoid inhalation of vapours. Avoid contact with eyes.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground. If risk of water pollution occurs, notify appropriate authorities.

6.3. Methods and material for containment and cleaning up

Eliminate all ignition sources if safe to do so. Stop leak if possible without any risk. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

6.4. Reference to other sections

For personal protection, see section 8.
For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Use only with adequate ventilation. Avoid contact with eyes. Avoid release to the environment.

General hygiene

Handle in accordance with good industrial hygiene and safety practice. Wash contaminated skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Incompatible with oxidizing agents. Keep out of reach of children. Keep container tightly closed.
Recommended storage temperature: 0°C - 45°C

7.3. Specific end use(s)

Wet wipe. Manual process for cleaning.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m³	Source	Remark	Year
Glycerol	56-81-5 200-289-5	- 10	EH40/2005	-	-

DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
Glycerol (56-81-5/200-289-5)	DNEL	Chronic (long term) Oral	229 mg/kg bw/day	Consumers	Systemic
Glycerol (56-81-5/200-289-5)	DNEL	Chronic (long term) Inhalation	33 mg/m³	Consumers	Local
Glycerol (56-81-5/200-289-5)	DNEL	Chronic (long term) Inhalation	56 mg/m³	Workers	Local
N,N-dimethyldecylamine N-oxide (2605-79-0/220-020-5)	DNEL	Chronic (long term) Dermal	5.5 mg/kg bw/day	Consumers	Systemic
N,N-dimethyldecylamine N-oxide (2605-79-0/220-020-5)	DNEL	Chronic (long term) Inhalation	1.53 mg/m³	Consumers	Systemic
N,N-dimethyldecylamine N-oxide (2605-79-0/220-020-5)	DNEL	Chronic (long term) Oral	0.44 mg/kg bw/day	Consumers	Systemic
N,N-dimethyldecylamine N-oxide	DNEL	Chronic (long term)	11 mg/kg bw/day	Workers	Systemic

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
(2605-79-0/220-020-5)		Dermal			
N,N-dimethyldecylamine N-oxide (2605-79-0/220-020-5)	DNEL	Chronic (long term) Inhalation	6.2 mg/m³	Workers	Systemic

PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
Glycerol (56-81-5/200-289-5)	PNEC	Soil	0.141 mg/kg
Glycerol (56-81-5/200-289-5)	PNEC	Sewage Treatment Plant	1000 mg/l
Glycerol (56-81-5/200-289-5)	PNEC	Intermittent releases	8.85 mg/l
Glycerol (56-81-5/200-289-5)	PNEC	Freshwater	0.885 mg/l
Glycerol (56-81-5/200-289-5)	PNEC	Marine water	0.0885 mg/l
Glycerol (56-81-5/200-289-5)	PNEC	Sediment (freshwater)	3.3 mg/kg
Glycerol (56-81-5/200-289-5)	PNEC	Sediment (marine water)	0.33 mg/kg
N,N-dimethyldecylamine N-oxide (2605-79-0/220-020-5)	PNEC	Freshwater	0.034 mg/l
N,N-dimethyldecylamine N-oxide (2605-79-0/220-020-5)	PNEC	Intermittent releases	0.034 mg/l
N,N-dimethyldecylamine N-oxide (2605-79-0/220-020-5)	PNEC	Marine water	0.003 mg/l
N,N-dimethyldecylamine N-oxide (2605-79-0/220-020-5)	PNEC	Oral (Secondary Poisoning)	11.1 mg/kg
N,N-dimethyldecylamine N-oxide (2605-79-0/220-020-5)	PNEC	Sediment (freshwater)	5.24 mg/kg
N,N-dimethyldecylamine N-oxide (2605-79-0/220-020-5)	PNEC	Sediment (marine water)	0.524 mg/kg
N,N-dimethyldecylamine N-oxide (2605-79-0/220-020-5)	PNEC	Soil	1.02 mg/kg
N,N-dimethyldecylamine N-oxide (2605-79-0/220-020-5)	PNEC	Sewage Treatment Plant	4.59 mg/l

8.2. Exposure controls

Appropriate engineering controls
Provide good ventilation.

Eye / face protection
Wear approved safety goggles.

Hand protection
Wear protective gloves.

Other skin protection
Given the identified use of the product additional skin and body protection should not be required.

Respiratory protection
Under normal conditions of use respiration protection should not be required.

Thermal hazards
Not applicable.

Environmental exposure controls
Keep containers tightly closed. Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state
Liquid-impregnated wipe

Colour
Clear.

Odour
Lemon.

Melting point / freezing point
No data available

Boiling point or initial boiling point and boiling range
No data available

Flammability
No data available

Lower and upper explosion limit
No data available

Flash point
> 60 °C
Method
Abel closed cup

Auto-ignition temperature
No data available

Decomposition temperature
No data available

pH
7 - 8

Kinematic viscosity
No data available

Solubility
Soluble in water.

Partition coefficient n-octanol/water
No data available

Vapour pressure
No data available

Density and/or relative density
No data available

Relative vapour density
No data available

Particle characteristics
Not applicable

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
There are no known reactivity hazards associated with this product.

10.2. Chemical stability
Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions
Will not polymerise.

10.4. Conditions to avoid
Heat, sparks, flames.

10.5. Incompatible materials
No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

None at ambient temperatures.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Based on available data, the classification criteria are not met.

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline
Glycerol 56-81-5 / 200-289-5	LD50	12600 mg/kg	Oral	-	Rat	-
Glycerol 56-81-5 / 200-289-5	LD50	> 10000 mg/kg	Dermal	-	Rabbit	-
Bronopol (INN) 52-51-7 / 200-143-0	LD50	193 mg/kg bw	Oral	-	Rat	OECD Test Guideline 401
Bronopol (INN) 52-51-7 / 200-143-0	LD50	> 2000 mg/kg bw	Dermal	24 hours	Rat	OECD Test Guideline 402
N,N-dimethyl-decylamine N-oxide 2605-79-0 / 220-020-5	LD50	> 2000 mg/kg bw	Dermal	24 hours	Rat	OECD Test Guideline 202
N,N-dimethyl-decylamine N-oxide 2605-79-0 / 220-020-5	LD50	300 - 2000 mg/kg	Oral	-	Rat	OECD Test Guideline 423

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Routes of exposure
Eye contact
Skin contact

11.2. Information on other hazards

Endocrine disrupting properties
Not applicable.

Other information
No other information noted.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity
Not classified.

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Glycerol 56-81-5 / 200-289-5	LC50	> 1000 mg/l	96 hours	-	-
Glycerol 56-81-5 / 200-289-5	LC50	54000 mg/l	96 hours	Onchorhynchus mykiss (Rainbow trout)	-
Bronopol (INN) 52-51-7 / 200-143-0	LC50	41.2 mg/l	96 hours	Onchorhynchus mykiss (Rainbow trout)	-
N,N-dimethyldecylamine N-oxide	LC50	31.8 mg/l	96 hours	Brachydanio rerio (Zebra Fish)	OECD Test Guideline 203

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
2605-79-0 / 220-020-5					

Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure
Glycerol 56-81-5 / 200-289-5	-	> 10000 mg/l	168 hours
Bronopol (INN) 52-51-7 / 200-143-0	ErC50	0.4 - 2.8 mg/l	72 hours
N,N-dimethyldecylamine N-oxide 2605-79-0 / 220-020-5	IC50	0.16 mg/l	72 hours

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Glycerol 56-81-5 / 200-289-5	EC50	> 10000 mg/l	24 hours	Daphnia magna	-
Bronopol (INN) 52-51-7 / 200-143-0	EC50	1.4 mg/l	48 hours	Daphnia magna	-
N,N-dimethyldecylamine N-oxide 2605-79-0 / 220-020-5	EC50	3.43 mg/l	48 hours	Daphnia magna	OECD Test Guideline 202

Chronical toxicity

Not classified.

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
N,N-dimethyldecylamine N-oxide 2605-79-0 / 220-020-5	NOEC	≥ 0.067 mg/l	28 days	Algae	-
N,N-dimethyldecyl-	NOEC	0.7 mg/l	21 days	Daphnia magna	OECD Test

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
amine N-oxide 2605-79-0 / 220-020-5					Guideline 211
N,N-dimethyldecylamine N-oxide 2605-79-0 / 220-020-5	NOEC	0.42 mg/l	302 days	Pimephales promelas (Fat-head Minnow)	-

12.2. Persistence and degradability

Persistence and degradability

Product :

No data available.

Product / Substance name CAS / EC no.	Duration	Result	Method / Guideline	Remark
Glycerol 56-81-5 / 200-289-5	20 days	82%	-	The substance is readily biodegradable.
N,N-dimethyldecylamine N-oxide 2605-79-0 / 220-020-5	28 days	97%	OECD Test Guideline 301E	The substance is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

Product / Substance name CAS / EC no.	LogKow / LogPow
N,N-dimethyldecylamine N-oxide 2605-79-0 / 220-020-5	0.95

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

Not applicable.

12.7. Other adverse effects

Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Where possible recycling is preferred to disposal or incineration. Dispose of waste and residues in accordance with local authority requirements. Do not flush down the toilet. Do not throw in the environment.

Waste code	Waste description
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

Other

The waste codes are a recomendation. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

14.1. UN number

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/AND/RID).

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. Maritime transport in bulk according to IMO instruments

Not applicable

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 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP).
Directive 2008/98/EC of the European Parliament and of the Council on waste.
Regulation (EC) No. 1907/2006 (REACH), Annex XVII (restrictions): 75

National regulations

Health and Safety at Work etc. Act 1974 (as amended).
Control of Substances Hazardous to Health Regulations 2002 (as amended).
EH40/2005 Workplace Exposure Limits (Fourth Edition 2020).

Users of this product are reminded of their duties under the current Control of Substances Hazardous to Health Regulations and a suitable and sufficient assessment of all the risk should be undertaken before using this product. The guidelines given in the HSE publication COSHH ESSENTIALS - Easy Steps To Control Chemicals gives sound advice for deciding safe working control measures.

Control of Substances Hazardous to Health Regulations (COSHH)
The GB Classification Labelling and Packaging Regulation (GB CLP) - Retained CLP Regulation (EU) No. 1272/2008 as amended for Great Britain
UK Staturory Instrument 2021 No. 904 The REACH etc. (Amendment) Regulations 2021

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations

LC50: Deadly concentration for 50 % of a test population (Lethal Concentration).
LD50: Lethal dose for 50 % of a test population (Lethal Dose).
EC50: The concentration of a substance that affects 50 % of a population over a given period of time (Effective Concentration).
LOEC: The lowest concentration at which effects are observed (Lowest Observed Effect Concentration).
NOEC: The concentration at which no effects are observed (No Observed Effect Concentration).
Kow: Partition coefficient octanol/water.Koc: Partitioning coefficient organic carbon/water.
PBT: Persistent, Bioaccumulative, Toxic.
vPvB: very Persistent, very Bioaccumulative.
DNEL: Derived No Effect Level.
PNEC: Predicted No Effect Concentration.
ErC50: The concentration of test substance which results in a 50 percent reduction in growth rate relative to the control within 72 hours exposure.

Evaluation methods for classification

Calculation method.

Phrase meaning

Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4
Acute Tox. 4 - dermal - Acute toxicity, dermal, hazard category 4
Skin Irrit. 2 - Skin irritation, hazard category 2
Eye Dam. 1 - Serious eye damage, hazard category 1
Aquatic Acute 1 - Hazardous to the aquatic environment — Acute hazard category 1
Aquatic Chronic 2 - Hazardous to the aquatic environment — Chronic hazard category 2
STOT SE 3 - Specific Target Organ Toxicity — Single exposure, hazard category 3
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.