

According to Regulation (EC) No 1907/2006

Medipal Disinfectant Wipes



Version number: 3
 Issued: 2024-01-24

Replaces SDS: 2023-03-24

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
(141-43-5/205-483-3)		Dermal			
Didecyldimethylammonium chloride (7173-51-5/230-525-2)	DNEL	Chronic (long term) Inhalation	5.39 mg/m ³	Workers	Systemic
Didecyldimethylammonium chloride (7173-51-5/230-525-2)	DNEL	Acute (short term) Inhalation	5.39 mg/m ³	Workers	Systemic
Didecyldimethylammonium chloride (7173-51-5/230-525-2)	DNEL	Chronic (long term) Dermal	1.55 mg/kg	Workers	Systemic
Didecyldimethylammonium chloride (7173-51-5/230-525-2)	DNEL	Acute (short term) Dermal	1.55 mg/kg	Workers	Systemic

PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9/219-145-8)	PNEC	Freshwater	0.001 mg/kg
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9/219-145-8)	PNEC	Sediment (freshwater)	8.5 mg/kg
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9/219-145-8)	PNEC	Soil	45.34 mg/kg
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9/219-145-8)	PNEC	Sediment (marine water)	0.85 mg/kg
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9/219-145-8)	PNEC	Sewage Treatment Plant	1.33 mg/kg
2-Aminoethanol (141-43-5/205-483-3)	PNEC	Soil	0.0367 mg/kg
2-Aminoethanol (141-43-5/205-483-3)	PNEC	Freshwater	0.085 mg/l
2-Aminoethanol (141-43-5/205-483-3)	PNEC	Sediment (freshwater)	0.434 mg/kg
2-Aminoethanol (141-43-5/205-483-3)	PNEC	Marine water	0.0085 mg/l
2-Aminoethanol (141-43-5/205-483-3)	PNEC	Sediment (marine water)	0.0434 mg/kg
2-Aminoethanol (141-43-5/205-483-3)	PNEC	Sewage Treatment Plant	100 mg/l
2-Aminoethanol (141-43-5/205-483-3)	PNEC	Intermittent releases	0.028 mg/l
Didecyldimethylammonium chloride	PNEC	Soil	1.4 mg/kg

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Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
(7173-51-5/230-525-2)			
Didecyldimethylammonium chloride (7173-51-5/230-525-2)	PNEC	Freshwater	0.002 mg/l
Didecyldimethylammonium chloride (7173-51-5/230-525-2)	PNEC	Sediment (freshwater)	2.82 mg/kg
Didecyldimethylammonium chloride (7173-51-5/230-525-2)	PNEC	Marine water	0.0002 mg/l
Didecyldimethylammonium chloride (7173-51-5/230-525-2)	PNEC	Sediment (marine water)	0.28 mg/kg
Didecyldimethylammonium chloride (7173-51-5/230-525-2)	PNEC	Sewage Treatment Plant	0.595 mg/kg

8.2. Exposure controls

Appropriate engineering controls

Provide good ventilation.

Eye / face protection

No special protective equipment required.

Hand protection

Protective gloves should be used in line with industry requirements

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

White (clear liquid)

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Odour

Slight chemical odour

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

10 - 11

Kinematic viscosity

No data available

Solubility

No data available

Partition coefficient n-octanol/water

No data available

Vapour pressure

No data available

Density and/or relative density

1010 g/cm³

Relative vapour density

No data available

Particle characteristics

Not applicable

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9.2. Other information

No other information noted.

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	Test animals	Method / Guideline
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine 2372-82-9 / 219-145-8	LD50	243.6 mg/kg	Oral	Rat - female	OECD 401
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine 2372-82-9 / 219-145-8	LD50	280 mg/kg	Oral	Rat - male	OECD 401
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine 2372-82-9 / 219-	LD50	> 600 mg/kg	Dermal	Rat	OECD 402

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Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Test animals	Method / Guideline
145-8					
2-Aminoethanol 141-43-5 / 205-483-3	LD50	1515 mg/kg	Oral	Rat	-
2-Aminoethanol 141-43-5 / 205-483-3	LD50	1025 mg/kg	Dermal	Rabbit	-
Didecyldimethylammonium chloride 7173-51-5 / 230-525-2	LD50	238 mg/kg	Oral	Rat	OECD 401
Didecyldimethylammonium chloride 7173-51-5 / 230-525-2	LD50	3342 mg/kg	Dermal	Rabbit	-

Skin corrosion/irritation

Based on available data, the classification criteria are not met

Serious eye damage/irritation

Causes serious eye irritation.

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.

Symptoms related to the physical, chemical and toxicological characteristics

No specific symptoms noted.

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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

Acute hazards to the aquatic environment: Not classified.

Toxicity

Harmful to aquatic life with long lasting effects.

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine 2372-82-9 / 219-145-8	LC50	0.68 mg/l	96 hours	Oncorhynchus mykiss	OECD 203
Didecyldimethylammonium chloride 7173-51-5 / 230-525-2	LC50	0.19 mg/l	96 hours	Pimephales promelas	-

Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Endpoint of the test	Species	Method / Guideline	Remark
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine 2372-82-9 / 219-145-8	NOEC	0.0069 mg/l	72 hours	-	Desmodesmus subspicatus	OECD 201	Growth inhibition
Didecyldimethylammonium	ErC50	0.026 mg/l	96 hours	Growth inhibition	Pseudokirchneriella	OECD 201	-

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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Endpoint of the test	Species	Method / Guideline	Remark
chloride 7173-51-5 / 230-525-2					subcapitata		

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Endpoint of the test	Species
Didecyldimethylammonium chloride 7173-51-5 / 230-525-2	EC50	0.062 mg/l	48 hours	Immobilization	Daphnia magna

Micro-/macro organism toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Endpoint of the test	Species	Method / Guideline	Remark
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine 2372-82-9 / 219-145-8	LC50	> 1000 mg/kg	14 days	-	Eisenia fetida	OECD 207	Respiration inhibition
Didecyldimethylammonium chloride 7173-51-5 / 230-525-2	EC50	11 mg/l	3 hours	Respiration inhibition of activated sludge	-	OECD 209	-

Chronical toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
N-(3-	NOEC	0.032 mg/l	21 days	Daphnia magna	OECD 211	Reproduction

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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
aminopropyl)-N-dodecylpropane-1,3-diamine 2372-82-9 / 219-145-8						Test
Didecyldimethylammonium chloride 7173-51-5 / 230-525-2	NOEC	0.014 mg/l	21 days	Daphnia magna	-	-
Didecyldimethylammonium chloride 7173-51-5 / 230-525-2	NOEC	0.032 mg/l	34 days	Danio rerio	OECD 210	-

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

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

Dispose of waste and residues in accordance with local authority requirements. Do not flush down the toilet. Do not throw in the environment.

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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 recommendation. Waste codes shall be assigned by the user, based on the area of application where 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).

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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.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Changes to previous revision

Classification

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.

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Phrase meaning

Acute Tox. 3 - oral - Acute toxicity, oral, hazard category 3

Skin Corr. 1B - Skin corrosion, hazard category 1B

Eye Dam. 1 - Serious eye damage, hazard category 1

STOT RE 2 - Specific Target Organ Toxicity — Repeated exposure, hazard category 2

Aquatic Acute 1 - Hazardous to the aquatic environment — Acute hazard category 1

Aquatic Chronic 1 - Hazardous to the aquatic environment — Chronic hazard category 1

Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4

Acute Tox. 4 - dermal - Acute toxicity, dermal, hazard category 4

Acute Tox. 4 - inhalation - Acute toxicity, inhalation, hazard category 4

Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic hazard category 3

Aquatic Chronic 2 - Hazardous to the aquatic environment — Chronic hazard category 2

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.