

According to Regulation (EC) No 1907/2006

Pal TX Surface Disinfectant



Version number: 1

Issued: 2023-02-17

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

1.1. Product identifier

Trade name

W20230T, W64230T, W258230T, W131230T, W233230T, W410230T

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

Relevant identified uses

Cleaning and disinfecting wipes for hard surfaces. For professional users only.

1.3. Details of the supplier of the safety data sheet

Supplier

Pal Hygiene Products Ltd.

Street address

Unit 5B & Unit 5H, Fingal Bay
Business Park, Balbriggan Co.
Dublin K32 NY57 Ireland

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

Classification according to Regulation (EC) No 1272/2008

Classification

Hazardous to the aquatic environment — Chronic hazard category 3

Hazard statements

H412

Description

H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements

P273 Avoid release to the environment.

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
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9 219-145-8 01-2119980592-29-xxxx -	0.1 - <0.3%	Acute Tox. 3 - oral, Skin Corr. 1B, Eye Dam. 1, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1	H301, H314, H318, H373, H400, H410 M-acut=10 M-chro=1	*

Substance additional information

* ATE oral: > 2000 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. Get medical attention if any discomfort continues.

Eye contact

Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

Ingestion

Rinse mouth with water. Call a POISON CENTRE/doctor if you feel unwell.

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

No specific symptoms noted.

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

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products:

- nitrogen oxides (NO_x)
- carbon oxides
- sulphur oxides
- oxides of phosphorus

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use protective equipment appropriate for surrounding materials. Wear personal protective equipment.

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

Ensure cleanup is conducted by trained personnel.

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

Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

6.4. Reference to other sections

For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Avoid contact with eyes. Avoid release to the environment.

General hygiene

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

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7.2. Conditions for safe storage, including any incompatibilities

Do not store together with oxidizing and self-igniting products. Keep out of reach of children. Keep container tightly closed. Recommended storage temperature: 0°C - 40°C

7.3. Specific end use(s)

Wet wipe. Manual process for cleaning.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9/219-145-8)	DNEL	Chronic (long term) Inhalation	2.35 mg/m ³	Workers	Systemic
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9/219-145-8)	DNEL	Chronic (long term) Dermal	0.91 mg/kg	Workers	Systemic
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9/219-145-8)	DNEL	Chronic (long term) Inhalation	0.7 mg/m ³	Consumers	Systemic
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9/219-145-8)	DNEL	Chronic (long term) Dermal	0.54 mg/kg	Consumers	Systemic
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9/219-145-8)	DNEL	Chronic (long term) Oral	0.2 mg/kg	Consumers	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

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8.2. Exposure controls

Appropriate engineering controls

Provide good ventilation.

Eye / face protection

No special protective equipment required.

Hand protection

No special protective equipment required.

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. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid-impregnated wipe

Colour

Blue (clear liquid)

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

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Auto-ignition temperature

No data available

Decomposition temperature

No data available

pH

7 - 8.5

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

No data available

Relative vapour density

No data available

Particle characteristics

Not applicable

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.

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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 / 219-145-8	LD50	> 600 mg/kg	Dermal	Rat	OECD 402

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.

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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.

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

Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	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

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Micro-/macro organism toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	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

Chronical toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine 2372-82-9 / 219-145-8	NOEC	0.032 mg/l	21 days	Daphnia magna	OECD 211	Reproduction Test

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.

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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.

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).

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

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.

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

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

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.