



SAFETY DATA SHEET		Revision Date: 13.03.2026
		Print Date: 27.07.2026
		SDS Number: R1938129
DOMESTOS PROFESSIONAL TOILET CLEANER & DESCALER		Version: 1.1
7517937		

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

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

1.1 Product identifier

Trade name : DOMESTOS PROFESSIONAL TOILET CLEANER & DESCALER

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

Use of the Substance/Mixture : Toilet bowl cleaner
Descaling agent
Uses other than those identified are not recommended

Sector-specific worker exposure

AISE_SWED_PW_10_2

AISE_SWED_PW_13_1

AISE_SWED_PW_19_2

PC35 Washing and cleaning products

1.3 Details of the supplier of the safety data sheet

Unilever UK Ltd. (UPro) Kingston up Thames,
KT1 2BA

E-mail address of person responsible for the SDS:

Product Information
01604 405311

1.4 Emergency telephone

Seek medical advice (show the label or safety data sheet where possible), For medical or environmental emergency only: call 0800 052 0185



Unilever

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Corrosive to Metals, Category 1

H290: May be corrosive to metals.

Skin irritation, Category 2

H315: Causes skin irritation.

Eye irritation, Category 2

H319: Causes serious eye irritation.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms

:



Signal Word

:

Warning

Hazard Statements

:

H290
H315
H319

May be corrosive to metals.
Causes skin irritation.
Causes serious eye irritation.

Precautionary Statements

:

P101
P102

If medical advice is needed, have product
container or label at hand.
Keep out of reach of children.

Prevention:

P280

Wear protective gloves/ eye protection/ face
protection.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



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Ecological information: This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f).

Toxicological information: This substance/mixture does not contain components considered to have endocrine disrupting properties for human health according to UK REACH Article 57(f),

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
sulphamidic acid	5329-14-6 226-218-8	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 3; H412	>= 5 - < 10
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivati	85536-14-7 287-494-3	Acute Tox. 4; H302 Skin Corr. 1; H314 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 3 - < 5
Citric Acid	77-92-9 201-069-1	Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory system)	>= 1 - < 2,5

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

- General advice : Move out of dangerous area.
Consult a physician.
Show this material safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : If breathed in, move person into fresh air.
If unconscious, place in recovery position and seek medical advice.



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If symptoms persist, call a physician.

- In case of skin contact : First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Take victim immediately to hospital.
Obtain medical attention.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

- Risks : Causes skin irritation.
Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water spray
Foam
Carbon dioxide (CO₂)
Dry chemical



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Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

Specific extinguishing methods : Product is compatible with standard fire-fighting agents.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
Comply with all applicable federal, state, and local regulations.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.
Should not reach sewage water or drainage ditch undiluted or unneutralised

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.



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6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

For further information see Section 8 and Section 13 of the safety data sheet.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : To avoid spills during handling keep bottle on a metal tray.
Do not breathe vapors/dust.
When diluting, always add the product to water. Never add water to the product.
Container hazardous when empty.
Smoking, eating and drinking should be prohibited in the application area.
For personal protection see section 8.
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Electrical installations / working materials must comply with the technological safety standards. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.



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8.2 Exposure controls

Engineering measures

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Appropriate organisational controls: : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.
Should not reach sewage water or drainage ditch undiluted or unneutralised

Personal protective equipment

Eye protection (EN ISO 16321) : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

Safety glasses or goggles (EN 16321)
The use of a full-face shield or other full-face protection is strongly recommended when handling open containers or if splashes may occur

Hand protection (EN ISO 374)

Remarks : Wear resistant gloves (consult your safety equipment supplier). The suitability for a specific workplace should be discussed with the producers of the protective gloves. Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary. Repeated or prolonged contact: Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.

Suggested gloves for prolonged contact:
Material: butyl rubber
Penetration time: ≥ 480 min



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Material thickness: ≥ 0.7 mm

Suggested gloves for protection against splashes:

Material: nitrile rubber

Penetration time: ≥ 30 min

Material thickness: ≥ 0.4 mm

In consultation with the supplier of protective gloves a different type providing similar protection may be chosen. Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.

Suggested gloves for prolonged contact:

Material: butyl rubber

Penetration time: ≥ 480 min

Material thickness: ≥ 0.7 mm

Suggested gloves for protection against splashes:

Material: nitrile rubber

Penetration time: ≥ 30 min

Material thickness: ≥ 0.4 mm

In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.

Skin and body protection (EN 14605) :

Wear as appropriate:

Impervious clothing

Safety shoes

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Protective measures :

No special requirements under normal use conditions

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Color : blue



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Odor	: Fresh
Odor Threshold	: No data available
pH	: 0,70
Melting point/freezing point	: No data available
Boiling point/boiling range	: No data available
Flash point	: No data available
Evaporation rate	: No data available
Flammability	: No data available
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: No data available
Density	: 1,0565 g/cm ³
Solubility(ies)	
Water solubility	: Fully miscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: No data available



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Viscosity, kinematic : 90,000 mm²/s

Explosive properties : Not explosive, based on substance properties.

Oxidizing properties : Not oxidative based on substance properties

9.2 Other information

Surface tension : OECD 115, Not relevant for classification of this product.

Metal corrosion rate : Corrosive to metals

Particle size : No data available

Particle Size Distribution : No data available

Self-ignition : No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.
No hazards to be specially mentioned.
Product will not undergo hazardous polymerization.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : May be corrosive to metals.

10.6 Hazardous decomposition products

None known under normal storage and use conditions



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SECTION 11: Toxicological information

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

Acute toxicity

Not classified due to lack of data.

Components:

sulphamidic acid:

Acute oral toxicity : LD50 (Rat): 3.160 mg/kg

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 402
GLP: yes
Assessment: Not classified as acutely toxic by dermal absorption under GHS.

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivati:

Acute oral toxicity : LD50 (Rat): 1.470 mg/kg
Remarks: Corrosive by Ingestion

Acute inhalation toxicity : Remarks: Corrosive to respiratory system.

Citric Acid:

Acute oral toxicity : LD50 (Mouse): 5.040 mg/kg

Acute dermal toxicity : LD50 (Rat, male and female): > 2.000 mg/kg
Assessment: No adverse effect has been observed in acute dermal toxicity tests.

Skin corrosion/irritation

Causes skin irritation.

Product:

Method : Weight of evidence
Result : Skin irritation



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Components:**sulphamidic acid:**

Result : Severely irritating to skin

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivati:

Result : Corrosive to skin

Citric Acid:

Result : Slightly irritating to skin

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Method : Weight of evidence

Result : Eye irritation

Remarks : Unlikely to cause eye irritation or injury.

Components:**sulphamidic acid:**

Species : Rabbit

Result : Eye irritation

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivati:

Result : Corrosive to eyes

Citric Acid:

Result : Severely irritating to eyes

Respiratory or skin sensitization**Skin sensitization**

Not classified due to lack of data.

Respiratory sensitization

Not classified due to lack of data.



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Germ cell mutagenicity

Not classified due to lack of data.

Components:**sulphamidic acid:**

Genotoxicity in vitro : Test Type: Ames test
 Test system: Salmonella typhimurium
 Metabolic activation: with and without metabolic activation
 Method: OECD Test Guideline 471
 Result: negative

Carcinogenicity

Not classified due to lack of data.

Reproductive toxicity

Not classified due to lack of data.

STOT-single exposure

Not classified due to lack of data.

Components:**Citric Acid:**

Assessment : May cause respiratory irritation.

STOT-repeated exposure

Not classified due to lack of data.

Aspiration toxicity

Not classified due to lack of data.

11.2 Information on other hazards**Endocrine disrupting properties****Product:**

Assessment : This substance/mixture does not contain components considered to have endocrine disrupting properties for human health according to UK REACH Article 57(f),

Further information**Product:**



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Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

sulphamidic acid:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 70,3 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 71,6 mg/l
Exposure time: 48 h
Test Type: semi-static test
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 48 mg/l
End point: Growth inhibition
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201

NOEC (Desmodesmus subspicatus (green algae)): 18 mg/l
End point: Growth inhibition
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivati:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 1,67 mg/l
Exposure time: 96 h

Toxicity to fish (Chronic toxicity) : > 1 mg/l
End point: Growth rate
Exposure time: 28 d
Species: Lepomis macrochirus (Bluegill sunfish)



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Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : 1,18 mg/l
 End point: Reproduction Test
 Exposure time: 21 d
 Species: Daphnia magna (Water flea)
 Method: OECD Test Guideline 211
 GLP: yes

Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

Product Biodegradability : This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

Components:

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivati:

Biodegradability : Result: Readily biodegradable.
 Remarks: Readily biodegradable

Citric Acid:

Biodegradability : Result: Readily biodegradable.
 Biodegradation: 97 %
 Exposure time: 28 d
 Method: OECD Test Guideline 301E

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..



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12.6 Endocrine disrupting properties

Product:

Assessment : This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f).

12.7 Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number or ID number

ADR: UN1760

ADN: UN1760

RID: UN1760

IMDG-Code: UN1760

IATA-DGR: UN1760

14.2 UN proper shipping name



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ADR: CORROSIVE LIQUID, N.O.S. (SULFAMIC ACID, ALKYLSULPHONIC ACID)

ADN: CORROSIVE LIQUID, N.O.S. (SULFAMIC ACID, ALKYLSULPHONIC ACID)

RID: CORROSIVE LIQUID, N.O.S. (SULFAMIC ACID, ALKYLSULPHONIC ACID)

IMDG-Code: CORROSIVE LIQUID, N.O.S. (SULFAMIC ACID, ALKYLSULPHONIC ACID)

IATA-DGR: Corrosive liquid, n.o.s. (SULFAMIC ACID, ALKYLSULPHONIC ACID)

14.3 Transport hazard class(es)

ADR: 8

ADN: 8

RID: 8

IMDG-Code: 8

IATA-DGR: 8

14.4 Packing group

ADR: III

ADN: III

RID: III

IMDG-Code: III

IATA-DGR: III

14.5 Environmental hazards

ADR: Not applicable

ADN: Not applicable

RID: Not applicable

IMDG-Code: Not applicable

IATA-DGR: Not applicable

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.



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SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

Regulation (EU) No 2024/590 on substances that deplete the ozone layer : Not applicable

UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation : Not applicable

The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) : Not applicable

The Control of Explosives Precursors and Poisons Regulations (Poisons Act, as amended) : arsenicmercurysulphuric acid

GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation : Not applicable

Control of Major Accident Hazards Regulations 2015 (COMAH) : Not applicable

Regulation (EC) No. 648/2004, as amended : less than 5 %: Anionic surfactants
Other constituents: Perfumes

Regulation (EC) No. 648/2004 - Detergents regulation

Ingredients which must be listed on the label

The ingredients of this product are reported in the following inventories:

TCSI : On the inventory, or in compliance with the inventory



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TSCA	: Product contains substance(s) not listed on TSCA inventory.
AIIC	: Not in compliance with the inventory
DSL	: This product contains one or more components that are not on the Canadian DSL and have annual quantity limits.
ENCS	: Not in compliance with the inventory
KECI	: Not in compliance with the inventory
PICCS	: Not in compliance with the inventory
IECSC	: Not in compliance with the inventory

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture.

SECTION 16: Other information

Further information

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Classification of the mixture:

Met. Corr. 1	H290
Skin Irrit. 2	H315
Eye Irrit. 2	H319

Classification procedure:

Based on product data or assessment
Based on product data or assessment
Based on product data or assessment

Full text of H-Statements

H302	: Harmful if swallowed.
H314	: Causes severe skin burns and eye damage.
H315	: Causes skin irritation.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H335	: May cause respiratory irritation.
H412	: Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Chronic	: Long-term (chronic) aquatic hazard



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Eye Dam. : Serious eye damage
 Eye Irrit. : Eye irritation
 Skin Corr. : Skin corrosion
 Skin Irrit. : Skin irritation
 STOT SE : Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Material Safety Data Sheet
 Key literature references and sources of data



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SOLENIS Internal data

SOLENIS internal data including own and sponsored test reports

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

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