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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	: SUMA SURFACE SANITISER SMARTDOSE
Product code	: 5509261
Company	: Diversey Australia Pty Ltd 1612 Centre Road, Springvale, VIC 3171 Australia
E-mail address	: HazardCommunication@solenis.com
Telephone	: 1800 647 779 (toll free)
	Product information: Email: aucustserv@solenis.com Website: products.solenis.com/en-AU
Emergency telephone	: Seek medical advice (show the label or safety data sheet where possible), Call 1800 033 111 (24hrs)
Website	: Diversey.com
Use of the Substance/Mixture	: Kitchen surface disinfectant, Hard surface cleaner, Surface disinfectant
Recommended restrictions on use	: For professional and industrial use only

SECTION 2. HAZARDS IDENTIFICATION

Classification for the undiluted product

GHS Classification

Skin corrosion/irritation	: Category 2
Serious eye damage/eye irritation	: Category 1
Short-term (acute) aquatic hazard	: Category 1
Long-term (chronic) aquatic hazard	: Category 3

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GHS label elements

Hazard pictograms



Signal Word

: Danger

Hazard Statements

: H315 Causes skin irritation.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

: **Prevention:**
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ eye protection/ face protection.
Response:
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Other hazards which do not result in classification

None known.

Classification for the diluted product 1.664 % V/V

GHS Classification

Short-term (acute) aquatic hazard : Category 3

GHS Label elements, including precautionary statements

Hazard Statements : H402 Harmful to aquatic life.

Precautionary Statements : **Prevention:**
P273 Avoid release to the environment.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
C12-15 alcohol polyethoxylate	68131-39-5 106232-83-1	>= 3 -< 10
sodium carbonate	497-19-8	>= 1 -< 10
Alkyl (C12-18) dimethylbenzyl ammonium chloride (ADBAC (C12-18))	68391-01-5	>= 1 -< 2.5
N-ALKYL(C12-C18)DIMETHYL ETHYLBENZYL AMMONIUM CHL	68956-79-6	>= 1 -< 2.5
tetrasodium ethylene diamine tetraacetate	64-02-8	>= 1 -< 3
ALKYL DIMETHYL ETHYL BENZYL AMMONIUM CHLORIDE (C12-C14)	85409-23-0	>= 0.025 -< 0.1
AMINES, C12-18-ALKYLDIMETHYL	68391-04-8	>= 0.025 -< 0.1

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Consult a physician.
Show this material safety data sheet to the doctor in attendance.

If inhaled : Do not leave the victim unattended.
If breathed in, move person into fresh air.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : If skin irritation persists, call a physician.
If on clothes, remove clothes.
Remove contaminated clothing. If irritation develops, get medical attention.
If on skin, rinse well with water.
Wash contaminated clothing before re-use.

In case of eye contact : Small amounts splashed into eyes can cause irreversible

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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.
 Clean mouth with water and drink afterwards plenty of water.
 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.
- Most important symptoms and effects, both acute and delayed : Causes skin irritation.
 Causes serious eye damage.
- Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
 Water spray
 Foam
 Carbon dioxide (CO2)
 Dry chemical
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
 If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release.
- Specific extinguishing methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
 Fire residues and contaminated fire extinguishing water must

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be disposed of in accordance with local regulations.

Product is compatible with standard fire-fighting agents.

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

Hazchem Code : •3Z

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
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.
- 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.
- Methods and materials for containment and 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.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : To avoid spills during handling keep bottle on a metal tray.
Do not breathe vapors/dust.
Do not smoke.
Container hazardous when empty.
Avoid contact with skin and eyes.
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.
- Hygiene measures : When using do not smoke.
Wash hands before breaks and at the end of workday.

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When using do not eat or drink.

Conditions for safe storage : 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.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Undiluted product:

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section. Covering activities such as filling and transfer of product to application equipment, flasks or buckets

Appropriate engineering controls : 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.

Protective measures : No special requirements under normal use conditions

Personal protective equipment

Hand protection

Remarks : Wear resistant gloves (consult your safety equipment supplier). Discard gloves that show tears, pinholes, or signs of wear. 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 (AS/NZS 2161.10). Verify the 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.

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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.

Protective measures	: No special requirements under normal use conditions
Eye protection	: Wear face-shield and protective suit for abnormal processing problems. Eye wash bottle with pure water Tightly fitting safety goggles
Skin and body protection	: Wear as appropriate: Impervious clothing Safety shoes Choose body protection according to the amount and concentration of the dangerous substance at the work place. Wear chemical-resistant clothing and boots in case direct dermal exposure and/or splashes may occur (EN 14605)

Diluted product:

Maximum recommended use concentration (% w/w): 1.664 %

Appropriate engineering controls	: General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, 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.
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Personal protective equipment

Respiratory protection	: No personal respiratory protective equipment normally required.
Protective measures	: No special requirements under normal use conditions
Hand protection	

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Remarks	: No special requirements under normal use conditions
Eye protection	: Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.
Skin and body protection	: Wear as appropriate: Safety shoes Wear resistant gloves (consult your safety equipment supplier).

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Undiluted product:

Appearance	: liquid
Color	: red
Odor	: bland
Odor Threshold	: No data available
pH	: 11.7
Melting point/freezing point	: No data available
Boiling point/boiling range	: No data available
Flash point	: > 93.4 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Self-ignition	: 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

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Relative vapor density : No data available

Relative density : No data available

Density : 1.0400 g/cm³

Solubility(ies)

Water solubility : completely soluble

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

Viscosity, kinematic : 20.000 mm²/s

Oxidizing properties : No data available

Particle characteristics

Particle size : No data available

Particle Size Distribution : No data available

Diluted product:

pH : 10.5

Flash point : > 93.4 °C

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No reactivity hazards known under normal storage and use conditions

Chemical stability : Stable under recommended storage conditions.

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

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Conditions to avoid : No data available
 Incompatible materials : None known under normal use conditions
 Hazardous decomposition products : None known under normal storage and use conditions

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified due to lack of data.

Components:

C12-15 alcohol polyethoxylate:

Acute oral toxicity : LD50 (Rat, male and female): 1,610 mg/kg
 Method: OECD Test Guideline 401
 Assessment: The component/mixture is classified as acute oral toxicity, category 4.

Acute dermal toxicity : LD50 (Rabbit): 2,500 mg/kg

sodium carbonate:

Acute oral toxicity : LD50 (Rat): 2,800 mg/kg

Alkyl (C12-18) dimethylbenzyl ammonium chloride (ADBAC (C12-18)):

Acute dermal toxicity : LD50 (Rabbit): 3,340 mg/kg

N-ALKYL(C12-C18)DIMETHYL ETHYLBENZYL AMMONIUM CHL:

Acute oral toxicity : LD50 (Rat): 620 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 2,800 mg/kg

tetrasodium ethylene diamine tetraacetate:

Acute oral toxicity : LD50 (Rat, female): 1,780 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 1 - 5 mg/l
 Exposure time: 4 h
 Test atmosphere: dust/mist
 Remarks: Information given is based on data obtained from similar substances.

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

ALKYL DIMETHYL ETHYL BENZYL AMMONIUM CHLORIDE (C12-C14):

Acute oral toxicity : LD50 (Rat): 344 mg/kg

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Acute dermal toxicity : LD50 (Rabbit): 2,300 mg/kg
Method: OECD Test Guideline 402
GLP: no

AMINES, C12-18-ALKYLDIMETHYL:

Acute oral toxicity : LD50 (Rat, male): 1,500 mg/kg
Method: OECD Test Guideline 425
GLP: yes

LD50 (Rat, female): 1,300 mg/kg
Method: OECD Test Guideline 425
GLP: yes

Skin corrosion/irritation

Causes skin irritation.

Product:

Remarks : May cause skin irritation and/or dermatitis.

Components:

C12-15 alcohol polyethoxylate:

Species : Rabbit
Method : OECD Test Guideline 404
Result : Not irritating to skin
GLP : yes

sodium carbonate:

Result : Not irritating to skin

Alkyl (C12-18) dimethylbenzyl ammonium chloride (ADBAC (C12-18)):

Species : Rabbit
Exposure time : 4 h
Result : Corrosive to skin

N-ALKYL(C12-C18)DIMETHYL ETHYLBENZYL AMMONIUM CHL:

Species : Rabbit
Exposure time : 4 h
Result : Causes severe burns.

tetrasodium ethylene diamine tetraacetate:

Species : Rabbit
Result : Not irritating to skin

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ALKYL DIMETHYL ETHYL BENZYL AMMONIUM CHLORIDE (C12-C14):

Species : Rabbit
 Result : Corrosive after 3 minutes to 1 hour of exposure
 GLP : no

AMINES, C12-18-ALKYLDIMETHYL:

Species : Rabbit
 Method : OECD Test Guideline 404
 Result : Corrosive after 3 minutes to 1 hour of exposure
 GLP : yes

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks : May cause irreversible eye damage.

Components:

C12-15 alcohol polyethoxylate:

Result : Corrosive to eyes

sodium carbonate:

Result : Severely irritating to eyes

Alkyl (C12-18) dimethylbenzyl ammonium chloride (ADBAC (C12-18)):

Species : Rabbit
 Result : Corrosive to eyes

N-ALKYL(C12-C18)DIMETHYL ETHYLBENZYL AMMONIUM CHL:

Species : Rabbit
 Result : Risk of serious damage to eyes.

tetrasodium ethylene diamine tetraacetate:

Result : Corrosive to eyes

ALKYL DIMETHYL ETHYL BENZYL AMMONIUM CHLORIDE (C12-C14):

Species : Rabbit
 Result : Risk of serious damage to eyes.

AMINES, C12-18-ALKYLDIMETHYL:

Species : Rabbit

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Result : Risk of serious damage to eyes.
 Method : OECD Test Guideline 405
 GLP : yes

Respiratory or skin sensitization

Skin sensitization

Not classified due to lack of data.

Respiratory sensitization

Not classified due to lack of data.

Components:

Alkyl (C12-18) dimethylbenzyl ammonium chloride (ADBAC (C12-18)):

Species : Guinea pig
 Result : Does not cause skin sensitization.
 Remarks : Not applicable

tetrasodium ethylene diamine tetraacetate:

Test Type : Maximization Test
 Species : Guinea pig
 Method : OECD Test Guideline 406
 Remarks : Information given is based on data obtained from similar substances.

Chronic toxicity

Germ cell mutagenicity

Not classified due to lack of data.

Components:

Alkyl (C12-18) dimethylbenzyl ammonium chloride (ADBAC (C12-18)):

Genotoxicity in vitro : Test Type: Ames test
 Test system: Salmonella typhimurium
 Method: OECD Test Guideline 471
 Result: negative

tetrasodium ethylene diamine tetraacetate:

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

Carcinogenicity

Not classified due to lack of data.

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Reproductive toxicity

Not classified due to lack of data.

STOT-single exposure

Not classified due to lack of data.

STOT-repeated exposure

Not classified due to lack of data.

Components:

tetrasodium ethylene diamine tetraacetate:

Routes of exposure : Inhalation
 Target Organs : Respiratory Tract
 Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Aspiration toxicity

Not classified due to lack of data.

Further information

Product:

Remarks : No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

C12-15 alcohol polyethoxylate:

Ecotoxicology Assessment

Acute aquatic toxicity : Toxic to aquatic life.

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

sodium carbonate:

Toxicity to fish : LC50 (Bluegill (*Lepomis macrochirus*)): 300 mg/l
 Exposure time: 96 h
 Method: Static
 Remarks: Mortality

Toxicity to daphnia and other aquatic invertebrates : LC 50 (*Daphnia magna* (Water flea)): 265 mg/l
 Exposure time: 48 h
 Method: Static
 Remarks: Mortality

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Alkyl (C12-18) dimethylbenzyl ammonium chloride (ADBAC (C12-18)):

Toxicity to fish	: LC50 (Pimephales promelas (fathead minnow)): 0.28 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 0.016 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	: ErC50 (green algae): 0.049 mg/l Exposure time: 72 h
M-Factor (Acute aquatic toxicity)	: 10
Toxicity to fish (Chronic toxicity)	: NOEC (Pimephales promelas (fathead minnow)): 0.032 mg/l Exposure time: 34 d
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC (Daphnia magna (Water flea)): 0.0042 mg/l Exposure time: 21 d
M-Factor (Chronic aquatic toxicity)	: 1
Toxicity to microorganisms	: EC50 (activated sludge): 7.75 mg/l Exposure time: 3 h

N-ALKYL(C12-C18)DIMETHYL ETHYLBENZYL AMMONIUM CHL:

Ecotoxicology Assessment

Acute aquatic toxicity	: Very toxic to aquatic life.
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tetrasodium ethylene diamine tetraacetate:

Toxicity to fish	: LC50 (Lepomis macrochirus (Bluegill sunfish)): 792 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 140 mg/l Exposure time: 48 h Remarks: Information given is based on data obtained from similar substances.
Toxicity to algae/aquatic plants	: NOEC (Desmodesmus subspicatus (green algae)): > 100 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test Method: Directive 67/548/EEC, Annex V, C.3.
Toxicity to fish (Chronic toxicity)	: NOEC (Danio rerio (zebra fish)): >= 25.7 mg/l Exposure time: 35 d Test Type: flow-through test

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Method: OECD Test Guideline 210

Remarks: Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 25 mg/l
Exposure time: 21 d
Test Type: semi-static test
Remarks: Information given is based on data obtained from similar substances.

ALKYL DIMETHYL ETHYL BENZYL AMMONIUM CHLORIDE (C12-C14):

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): ca. 1.06 mg/l
End point: mortality
Exposure time: 96 h
Test Type: semi-static test
Analytical monitoring: yes
Method: OECD Test Guideline 203
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): ca. 0.015 mg/l
End point: Immobilization
Exposure time: 48 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 0.026 mg/l
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes

NOEC (Pseudokirchneriella subcapitata (green algae)): 0.006 mg/l
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes

M-Factor (Acute aquatic toxicity) : 10

Toxicity to fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): > 0.032 mg/l
End point: Growth rate
Exposure time: 28 d

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Analytical monitoring: yes
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): > 0.0042 mg/l
Exposure time: 21 d
Analytical monitoring: yes
GLP: yes

M-Factor (Chronic aquatic toxicity) : 1

AMINES, C12-18-ALKYLDIMETHYL:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 0.26 mg/l
Exposure time: 96 h
Test Type: semi-static test
Analytical monitoring: yes
Method: OECD Test Guideline 203
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.056 mg/l
Exposure time: 48 h
Test Type: semi-static test
Analytical monitoring: yes
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 0.0156 mg/l
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes

NOEC (Desmodesmus subspicatus (green algae)): 0.0036 mg/l
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes

M-Factor (Acute aquatic toxicity) : 10

Toxicity to fish (Chronic toxicity) : NOEC: 0.00266 mg/l

Toxicity to daphnia and other : EC10 (Daphnia magna (Water flea)): 0.0036 mg/l

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aquatic invertebrates
(Chronic toxicity)

Exposure time: 21 d
Test Type: semi-static test
Analytical monitoring: yes
Method: OECD Test Guideline 211
GLP: yes

M-Factor (Chronic aquatic toxicity) : 1

Persistence and degradability

Components:

C12-15 alcohol polyethoxylate:

Biodegradability : aerobic
Inoculum: activated sludge
Biodegradation: 72 %
Exposure time: 28 d
Method: OECD Test Guideline 301B
GLP: yes
Remarks: The 10 day time window criterion is not fulfilled.

sodium carbonate:

Biodegradability : Result: The methods for determining biodegradability are not applicable to inorganic substances.

Alkyl (C12-18) dimethylbenzyl ammonium chloride (ADBAC (C12-18)):

Biodegradability : Biodegradation: > 90 %
Method: OECD Test Guideline 303A

tetrasodium ethylene diamine tetraacetate:

Biodegradability : Result: Not readily biodegradable.
Biodegradation: < 10 %
Exposure time: 28 d
Method: OECD Test Guideline 301E

Biodegradation: 90 - 100 %
Exposure time: 72 d
Method: OECD Test Guideline 301E

ALKYL DIMETHYL ETHYL BENZYL AMMONIUM CHLORIDE (C12-C14):

Biodegradability : aerobic
Inoculum: activated sludge, non-adapted
Result: Readily biodegradable.
Biodegradation: 95.5 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

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GLP: no

AMINES, C12-18-ALKYLDIMETHYL:

Biodegradability : aerobic
Inoculum: activated sludge, non-adapted
Result: Readily biodegradable.
Biodegradation: 93 %
Exposure time: 28 d
Method: OECD Test Guideline 301B
GLP: yes

Bioaccumulative potential

Components:

C12-15 alcohol polyethoxylate:

Partition coefficient: n-octanol/water : log Pow: ca. 5.06

sodium carbonate:

Partition coefficient: n-octanol/water : Remarks: Not applicable

tetrasodium ethylene diamine tetraacetate:

Partition coefficient: n-octanol/water : log Pow: < 3

ALKYL DIMETHYL ETHYL BENZYL AMMONIUM CHLORIDE (C12-C14):

Partition coefficient: n-octanol/water : log Pow: 2.48 (20 °C)

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Send to a licensed waste management company.
The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.

Dispose of in accordance with local regulations.

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

International Regulations

IATA-DGR

UN number : UN 3082
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.
(ALKYLDIMETHYLBENZYLAMMONIUMCHLORIDE,
ALKYLDIMETHYL[(ETHYLPHENYL)METHYL]AMMONIUMCHLORIDE)
Class : 9
Packing group : III

IMDG-Code

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (ALKYLDIMETHYLBENZYLAMMONIUMCHLORIDE,
ALKYLDIMETHYL[(ETHYLPHENYL)METHYL]AMMONIUMCHLORIDE)
Class : 9
Packing group : III
EmS Code : F-A, S-F
Marine pollutant : yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

ADG

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UN number : UN 3082
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALKYLDIMETHYLBENZYLAMMONIUMCHLORIDE, ALKYLDIMETHYL[(ETHYLPHENYL)METHYL]AMMONIUMCHLORIDE)
 Class : 9
 Packing group : III
 Hazchem Code : .3Z
 Marine pollutant : yes

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.

SECTION 15. REGULATORY INFORMATION

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

Therapeutic Goods (Poisons : Schedule 6
Standard) Instrument

Prohibition/Licensing Requirements : There is no applicable prohibition, authorisation and restricted use requirements, including for carcinogens referred to in Schedule 10 of the model WHS Act and Regulations.

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

TCSI : On the inventory, or in compliance with the inventory
 AIIC : On the inventory, or in compliance with the inventory
 CA. DSL : All components of this product are on the Canadian DSL
 ENCS : Not in compliance with the inventory
 KECI : On the inventory, or in compliance with the inventory
 PICCS : On the inventory, or in compliance with the inventory
 IECSC : On the inventory, or in compliance with the inventory
 TSCA : Exempt

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

SECTION 16. OTHER INFORMATION

Date format : dd.mm.yyyy

Revision Date : 15.07.2026

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); 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; ERG - Emergency Response Guide; 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 Organization 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; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; 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, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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; WHMIS - Workplace Hazardous Materials Information System

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

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SOLENIS internal data including own and sponsored test reports

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This SDS has been prepared by the Solenis Environmental Health and Safety Department.

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