

SAFETY DATA SHEET

MATRIX TOTAL RESULTS COLOR PROTECTING SHAMPOO

Version 1.0 Revision Date: 03/06/2024 SDS Number: 00-12-400000131768 Date of last issue: -
Date of first issue: 03/06/2024

SECTION 1. IDENTIFICATION

Product name : MATRIX TOTAL RESULTS COLOR PROTECTING SHAMPOO

Formula Center Reference : 1218491MX1

Other means of identification : No data available

Manufacturer or supplier's details

Address : L'Oreal Canada
4895 rue Hickmore
Ville St-Laurent H4T 1K5
Canada

Telephone : 1-732-499-2745

E-mail address : CORPREGAFFAIRSMSDS@LOREAL.COM

Emergency telephone

National Poisons Control Center : CANUTEC : 1-613-996-6666 (Canutec (*666 Cellular)) (This telephone number is available during office hours only.)

INFOTRAC : 1-800-535-5053 (International: +1 352-323-3500) (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Recommended use of the chemical and restrictions on use

Recommended use : Personal care product used for cosmetic effect.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations

Skin irritation : Category 2

Serious eye damage : Category 1

Reproductive toxicity : Category 2

GHS label elements

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Hazard pictograms

:



Signal Word

: Danger

Hazard Statements

: H315 Causes skin irritation.
H318 Causes serious eye damage.
H361 Suspected of damaging fertility or the unborn child.

Precautionary Statements

: P102 Keep out of reach of children.
P103 Read label before use.

Prevention:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.
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.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage:

P405 Store locked up.

Disposal:

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

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components

| Chemical name | Common Name/Synonym | CAS-No. | Concentration (% w/w) |
|---------------|---------------------|------------|-----------------------|
| SODIUM C14-16 | Sulfonic acids, | 68439-57-6 | >= 10 - < 30 * |

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| | | | |
|----------------------------|--|------------|--------------------|
| OLEFIN SULFONATE | C14-16-alkane hydroxy and C14-16-alkene, sodium salts | | |
| COCAMIDOPROPYL BETAINE | 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts | 97862-59-4 | $\geq 1 - < 4$ * |
| COCAMIDE MEA | Amides, C12-18 and C18-unsatd., N-(hydroxyethyl) | 90622-77-8 | $\geq 1 - < 5$ * |
| GLYCERIN | glycerol | 56-81-5 | $\geq 1 - < 5$ * |
| SODIUM LAUROYL SARCOSINATE | sodium N-lauroylsarcosinate | 137-16-6 | $\geq 1 - < 5$ * |
| HEXYLENE GLYCOL | 2-methylpentane-2,4-diol | 107-41-5 | $\geq 1 - < 5$ * |
| SALICYLIC ACID | salicylic acid | 69-72-7 | $\geq 0.1 - < 1$ * |

* Actual concentration or concentration range is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

- General advice : Consult a physician.
- If inhaled : If symptoms persist, call a physician.
- In case of skin contact : If skin irritation persists, call a physician.
If on skin, rinse well with water.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Remove contact lenses.
If eye irritation persists, consult a specialist.
- If swallowed : Rinse mouth with water.
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : Causes skin irritation.
Causes serious eye damage.
Suspected of damaging fertility or the unborn child.

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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.
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known.
- Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system.
Standard procedure for chemical fires.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.
-

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
- Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
- 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 : Avoid contact with eyes.
For personal protection see section 8.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Observe label precautions.
- Further information on storage : No decomposition if stored and applied as directed.
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age stability

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|-----------------|----------|---|--|-----------|
| GLYCERIN | 56-81-5 | TWA (Mist) | 10 mg/m3 | CA AB OEL |
| | | TWA (Mist) | 10 mg/m3 | CA BC OEL |
| | | TWA (Respirable mist) | 3 mg/m3 | CA BC OEL |
| | | TWAEV (Mist) | 10 mg/m3 | CA QC OEL |
| HEXYLENE GLYCOL | 107-41-5 | (c) | 25 ppm 121 mg/m3 | CA AB OEL |
| | | C | 25 ppm | CA BC OEL |
| | | C | 25 ppm 121 mg/m3 | CA QC OEL |
| | | TWA (Vapor) | 25 ppm | ACGIH |
| | | STEL (Vapor) | 50 ppm | ACGIH |
| | | STEL (Inhalable fraction, Aerosol only) | 10 mg/m3 | ACGIH |

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : Applicable for industrial settings only. Nitrile rubber

Eye protection : Applicable for industrial settings only.
Tightly fitting safety goggles

Skin and body protection : Applicable for industrial settings only.
Work uniform or laboratory coat.

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : liquid

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Form : liquid

Color : white

Odor : characteristic

pH : 5.1 - 5.7

Melting point/freezing point : No data available

Boiling point/boiling range : Not available

Flash point : > 93 °C
Method: ISO 3679

Fire Point : Not applicable

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 : 1.007 - 1.013 (20 °C)

Solubility(ies)
Water solubility : No data available

Partition coefficient: n-octanol/water : Not applicable

Autoignition temperature : No data available

Decomposition temperature : Not applicable

Viscosity
Viscosity, kinematic : No data available

Dust explosion class : Not applicable

Particle size : Not applicable

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SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : No decomposition if stored and applied as directed.

Conditions to avoid : No data available

Incompatible materials : Not applicable

Hazardous decomposition products : No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Components:

SODIUM C14-16 OLEFIN SULFONATE:

Acute oral toxicity : LD50 (Rat, male and female): 2,079 mg/kg
Method: OECD Test Guideline 401
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : LC50 (Rat): > 52 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): 6,300 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity

COCAMIDOPROPYL BETAINE:

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Acute oral toxicity : LD50 (Rat, male and female): 2,335 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rat, male and female): > 620 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity

COCAMIDE MEA:

Acute oral toxicity : LD50 (Rat, male and female): > 3,000 mg/kg
Method: OECD Test Guideline 401
Assessment: The substance or mixture has no acute oral toxicity

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

SODIUM LAUROYL SARCOSINATE:

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
Method: OECD Test Guideline 401
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : LC50 (Rat, male and female): 0.5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403

HEXYLENE GLYCOL:

Acute oral toxicity : LD0 (Rat, male and female): >= 2,000 mg/kg
Method: OECD Test Guideline 420
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : LD50 (Rat, male): Exposure time: 8 h
Test atmosphere: vapor
Method: OECD Test Guideline 403
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat, male and female): 13.3 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity

SALICYLIC ACID:

Acute oral toxicity : LD50 (Rat, male): 891 mg/kg
Method: OECD Test Guideline 401

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Acute inhalation toxicity : LCLo (Rat, female): 0.7 mg/l
Exposure time: 7 h
Test atmosphere: vapor
Method: OECD Test Guideline 412
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Causes skin irritation.

Product:

Remarks : May cause skin irritation in susceptible persons.

Components:

SODIUM C14-16 OLEFIN SULFONATE:

Species : Rabbit
Method : OECD Test Guideline 404
Result : Skin irritation

COCAMIDOPROPYL BETAINE:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

COCAMIDE MEA:

Species : Rabbit
Method : OECD Test Guideline 404
Result : Skin irritation

SODIUM LAUROYL SARCOSINATE:

Species : Rabbit
Method : OECD Test Guideline 404
Result : Skin irritation

HEXYLENE GLYCOL:

Species : Rabbit
Method : OECD Test Guideline 404
Result : Skin irritation

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SALICYLIC ACID:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks : May cause irreversible eye damage.

Components:

SODIUM C14-16 OLEFIN SULFONATE:

Species : Rabbit
Result : Irreversible effects on the eye
Method : OECD Test Guideline 405

COCAMIDOPROPYL BETAINE:

Species : Rabbit
Result : Risk of serious damage to eyes.
Method : OECD Test Guideline 405

COCAMIDE MEA:

Species : Rabbit
Result : Irreversible effects on the eye
Method : OECD Test Guideline 405

SODIUM LAUROYL SARCOSINATE:

Species : Rabbit
Result : Irreversible effects on the eye
Method : OECD Test Guideline 405

HEXYLENE GLYCOL:

Species : Rabbit
Result : Eye irritation
Method : OECD Test Guideline 405

SALICYLIC ACID:

Species : Rabbit
Result : Irreversible effects on the eye
Method : Draize Test

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Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Components:

SODIUM C14-16 OLEFIN SULFONATE:

Routes of exposure : Skin contact
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Does not cause skin sensitization.

COCAMIDOPROPYL BETAINE:

Routes of exposure : Skin contact
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Does not cause skin sensitization.

COCAMIDE MEA:

Routes of exposure : Skin contact
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Does not cause skin sensitization.

SODIUM LAUROYL SARCOSINATE:

Routes of exposure : Skin contact
Species : Guinea pig
Method : Regulation (EC) No. 440/2008, Annex, B.6
Result : Does not cause skin sensitization.

HEXYLENE GLYCOL:

Routes of exposure : Skin contact
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Does not cause skin sensitization.

SALICYLIC ACID:

Routes of exposure : Skin contact
Species : Mouse
Result : Does not cause skin sensitization.

Germ cell mutagenicity

Not classified based on available information.

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Components:

SODIUM C14-16 OLEFIN SULFONATE:

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

COCAMIDOPROPYL BETAINE:

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

COCAMIDE MEA:

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

SODIUM LAUROYL SARCOSINATE:

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

HEXYLENE GLYCOL:

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

SALICYLIC ACID:

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Suspected of damaging fertility or the unborn child.

Components:

SODIUM C14-16 OLEFIN SULFONATE:

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

COCAMIDOPROPYL BETAINE:

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

COCAMIDE MEA:

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

SODIUM LAUROYL SARCOSINATE:

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Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

HEXYLENE GLYCOL:

Effects on fertility : Species: Rat
Fertility: NOAEL: 250 mg/kg body weight
Method: OECD Test Guideline 443

Effects on fetal development : Species: Rabbit
Developmental Toxicity: NOAEL: 250 mg/kg body weight
Method: OECD Test Guideline 414

Reproductive toxicity - Assessment : Suspected of damaging the unborn child.

SALICYLIC ACID:

Effects on fertility : Species: Rat
Fertility: NOAEL: 250 mg/kg body weight
Method: OECD Test Guideline 416

Effects on fetal development : Species: Rabbit
Developmental Toxicity: 250
Result: Teratogenic effects.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Components:

COCAMIDE MEA:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

SODIUM LAUROYL SARCOSINATE:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

HEXYLENE GLYCOL:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

SALICYLIC ACID:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

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Repeated dose toxicity

Components:

SODIUM C14-16 OLEFIN SULFONATE:

Species : Rabbit
NOAEL : ≥ 2 mg/kg
Application Route : Dermal
Exposure time : 90 d

COCAMIDOPROPYL BETAINE:

Species : Rat, male and female
NOEL : 300 mg/kg
Application Route : Oral
Exposure time : 90 d
Method : OECD Test Guideline 408

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks : The reference to any animal testing for individual constituents mentioned in this document is based on public, third-party data.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

SODIUM C14-16 OLEFIN SULFONATE:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 4.2 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Ceriodaphnia dubia (water flea)): 4.53 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Skeletonema costatum (marine diatom)): 5.2 mg/l
Exposure time: 72 h
Method: ISO 10253

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Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 6.3 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211

Toxicity to microorganisms : IC50 (activated sludge): 230 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

COCAMIDOPROPYL BETAINE:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 1.11 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.9 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 1.5 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 0.135 mg/l
Exposure time: 37 d
Method: OECD Test Guideline 210

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.32 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211

Toxicity to microorganisms : NOEC (Pseudomonas putida): 3,000 mg/l
Exposure time: 16 h

COCAMIDE MEA:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 3 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
Remarks: No toxicity at the limit of solubility.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 3 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 8.7 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 0.32 mg/l
Exposure time: 28 d
Method: OECD Test Guideline 204

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Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : 2.2 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211

Toxicity to microorganisms : IC50 (*Pseudomonas putida*): 6 mg/l
Exposure time: 16 h
Method: DIN 38 412 Part 8

SODIUM LAUROYL SARCOSINATE:

Toxicity to fish : LC50 (*Danio rerio* (zebra fish)): 32.1 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 8.91 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (*Desmodesmus subspicatus* (green algae)): 79 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Toxicity to microorganisms : NOEC (activated sludge): 30 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

HEXYLENE GLYCOL:

Toxicity to fish : LC50 (*Pimephales promelas* (fathead minnow)): 8.96 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 5,410 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

SALICYLIC ACID:

Toxicity to fish : LC50 (*Pimephales promelas* (fathead minnow)): 1,370 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 870 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (*Desmodesmus subspicatus* (green algae)): > 100 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic) : NOEC (*Daphnia magna* (Water flea)): > 10 mg/l
Exposure time: 21 d

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ic toxicity) Method: OECD Test Guideline 211

Toxicity to microorganisms : EC10 (Pseudomonas putida): 140 mg/l
Exposure time: 16 h

Persistence and degradability

Components:

SODIUM C14-16 OLEFIN SULFONATE:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 80 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

COCAMIDOPROPYL BETAINE:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 91.6 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

COCAMIDE MEA:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 74 - 82 %
Exposure time: 30 d
Method: OECD Test Guideline 301D

GLYCERIN:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 94 %
Exposure time: 1 d

SODIUM LAUROYL SARCOSINATE:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 82 %
Exposure time: 28 d

HEXYLENE GLYCOL:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 81 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

SALICYLIC ACID:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 90 %
Exposure time: 4 d

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Bioaccumulative potential

Components:

SODIUM C14-16 OLEFIN SULFONATE:

Bioaccumulation : Bioconcentration factor (BCF): 70.8

Partition coefficient: n-octanol/water : log Pow: -1.3
pH: 5.43
Method: Regulation (EC) No. 440/2008, Annex, A.8

COCAMIDE MEA:

Bioaccumulation : Bioconcentration factor (BCF): 48

Partition coefficient: n-octanol/water : log Pow: 4.3
pH: 7.36 - 7.44
Method: OECD Test Guideline 123

GLYCERIN:

Partition coefficient: n-octanol/water : log Pow: -1.75
pH: 7.4
Method: OECD Test Guideline 107

SODIUM LAUROYL SARCOSINATE:

Partition coefficient: n-octanol/water : log Pow: 0.37

SALICYLIC ACID:

Bioaccumulation : Bioconcentration factor (BCF): > 1,000

Partition coefficient: n-octanol/water : log Pow: 2.25
Method: OECD Test Guideline 117

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : The reference to any animal testing for individual constituents mentioned in this document is based on public, third-party data.

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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

- Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
Send to a licensed waste management company.
- Contaminated packaging : Dispose of as unused product.
Do not reuse empty containers.
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SECTION 14. TRANSPORT INFORMATION

Domestic regulation

TDG

Not regulated as a dangerous good

International Regulations

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

Canadian PBT Chemicals : This product does not contain any components on the DSL that are classified as Persistent, Bioaccumulative and Toxic (PBT) under CEPA.

Canadian National Pollutant Release Inventory (NPRI): No component is listed on NPRI.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

- ACGIH : USA. ACGIH Threshold Limit Values (TLV)
CA AB OEL : Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
CA BC OEL : Canada. British Columbia OEL
CA QC OEL : Québec. Regulation respecting occupational health and safe-
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ty, Schedule 1, Part 1: Permissible exposure values for air-borne contaminants

| | | |
|-------------------|---|--------------------------------------|
| ACGIH / TWA | : | 8-hour, time-weighted average |
| ACGIH / STEL | : | Short-term exposure limit |
| CA AB OEL / TWA | : | 8-hour Occupational exposure limit |
| CA AB OEL / (c) | : | ceiling occupational exposure limit |
| CA BC OEL / TWA | : | 8-hour time weighted average |
| CA BC OEL / C | : | ceiling limit |
| CA QC OEL / TWAEV | : | Time-weighted average exposure value |
| CA QC OEL / C | : | Ceiling |

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 Standardisation; 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 Organisation for Standardization; KECl - 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; 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, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECl - 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

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.

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